Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 139
Number 8

February 24, 1941

SHARPLES TRADE MARK SOLVENTS

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The confusion seems to arise especially in differentiating between Vitamin B_1 and Vitamin B (used in the collective sense to mean the entire B Complex). The present overemphasis on one single member of this complex group—namely Vitamin B_1—has added materially to this misunderstanding.

We have prepared an informative summary of experimental evidence regarding the entire natural Vitamin B Complex compared with combinations of the known synthetic factors. We believe this monograph will help to clarify this controversial subject. FREE copies for your organization—just mail order blank specifying number of copies desired.

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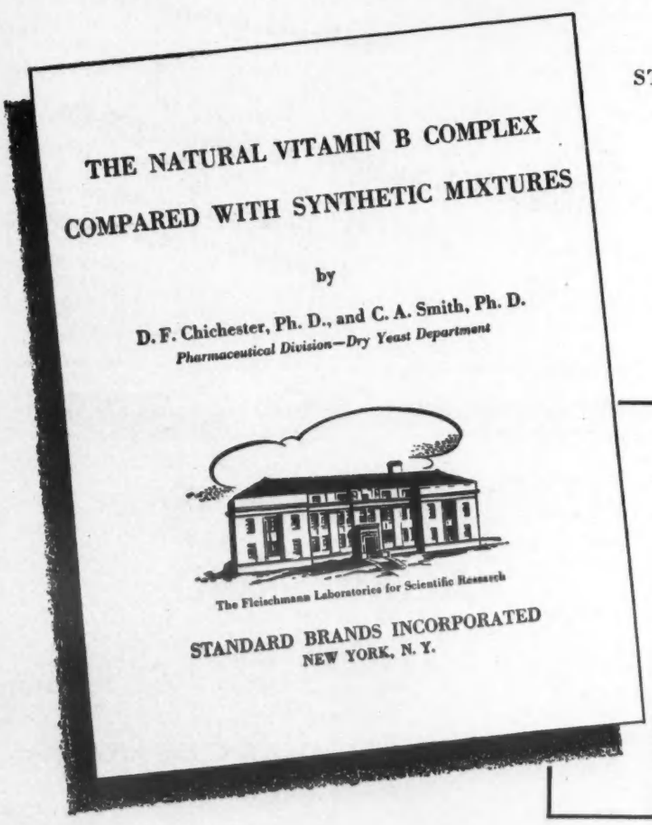
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COMPARED WITH SYNTHETIC MIXTURES
by
D. F. Chichester, Ph. D., and C. A. Smith, Ph. D.
Pharmaceutical Division—Dry Yeast Department
The Fleischmann Laboratories for Scientific Research
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NEW YORK, N. Y.

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Volume 139 | **February 24, 1941** | **Number 8**

Research Evaluations Mark Printing-Advertising Clinic

Research in its major aspects was the topic at the latest Printing and Advertising Clinic sponsored by the General Printing Ink Corporation. This clinic was held February 20 in the auditorium of the Port of New York Authority building, this city, an unprecedented demand for admissions having exceeded the capacity of the usual meeting place, in the gallery of the sponsoring company.

Research as applied to production was discussed by Dr. Walter S. Landis, vice-president of the American Cyanamid Company, who looked upon research as an organized campaign against the unknown. Dr. Landis pointed out that the highly organized research of today requires a complex organization of individuals speficially fitted to explore, not alone in a single field, not in all directions that carry influence which likely determines the final result, even though these secondary activities serve merely as tools for the final production. It also requires an elaborate and costly equipment, if effective and efficient utilization of the personnel is demanded. Without such provision repetition of previous accomplishments and the advantages of previous performances slow up the productive work. Research should be organized, therefore, in accordance with not only the problems confronting the specific institution but also with the financial ability to capitalize on its products. Research itself is not the ultimate aim of any industrial organization, and its results must be translated into productive capacity which requires capital for buildings and tools for distribution.

Research should be apportioned a measurable and effective percentage of gross sales, Dr. Landis said, and preferably in such manner as to permit it to construct a program relatively undisturbed over a period of years. Since all human progress has been

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Metals Conservation Plea Asks Use of Plastics

OPD Washington Bureau
February 17, 1941

E. R. Stettinius, jr., director of Priorities for the Office of Production Management, today urged all manufacturers who have not already done so to give immediate attention to the development of plastics. He made the statement in the interests of conserving the supply of certain metals vitally needed in defense industries, such as aluminum, magnesium, and zinc.

Mr. Stettinius pointed out that the United States Bureau of Standards maintains a plastics section headed by Dr. Gordon Kline, which is able to give advice to those manufacturers interested in the possibility of developing plastics to meet problems in their manufacturing processes.

In line with the suggestion of Mr. Stettinius, announcement was made by

—*Continued on page* 31

TAPPI Studies Research On Products and Processes

Improvements in the products of the industry gleaned from extensive research during the year were reported in a series of papers presented at the twenty-sixth annual meeting of the Technical Association of Pulp and Paper Industry, held in the Roosevelt hotel, this city, February 17-20. More than 900 were registered for the meeting.

W. R. Swanson

W. R. Swanson, of the Kimberly-Clark Corporation, was re-elected president. Other officers re-elected were:—Vice-president, R. A. Hayward, of the Kalamazoo Parchment Company, and secretary, R. G. Macdonald.

Interest at the meeting was manifested in photographs of paper pigments made with the electron microscope demonstrated by A. R. Lukens, C. G. Landes and T. G. Rochow of the American Cyanamid Company to show

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U.S.P. Chemicals Export Controlled

OPD Washington Bureau
February 19, 1941

A new restriction has been placed on the export of U.S.P. grade of chemicals subject to export license control.

Since last August the regulations of the Division of Control of the Department of State have provided that no license was required for the exportation in any quantity of chemicals—except quinine sulphate—listed in the United States Pharmacopoeia or the National Formulary, or of chemically pure analytical reagents, even though such chemicals of other grades were subject to license. Collectors of Customs have now been notified that licenses will be required for the export of U.S.P. chemicals on the control list when exported in quantities of 100 pounds or more.

The new ruling is confined to U.S.P. chemicals, which means that N.F. and C.P.A.R. chemicals may still be exported in any quantity without license.

Research in Industry

By Dr. W. S. Landis

Vice-President, American Cyanamid Company

Contributed to symposium on "Research" sponsored by Printing and Advertising Clinic, February 20, 1941, in New York

I shall here define research as an organized campaign against the unknown, but if I merely follow blindly such general prescription I would probably produce a mass of results and end up with a balance sheet looking something like that we receive from Washington from time to time, and ultimately in bankruptcy. The unknown may be compared to an expanding universe. As we penetrate zone by zone, or salient by salient, the outer boundaries keep receding and at a very accelerated rate.

Research is not a new idea. It is merely receiving a great deal of attention and publicity in more recent times. We have always had research so long as man has sought to improve his environment and ease his discomforts. Back in the dim ages of the past when the first human, operating as an individual, made his first discovery it was probably more revolutionary in terms of some form of measurable research unit than many of the developments of today that receive reams of publicity and the loudest of acclaim. That first discovery was made without benefit of association, of equipment, of fundamental scientific data, without knowledge of natural laws, and recourse to prior art. It marked a real conquest of the unknown such as never could possibly occur again, for ever afterward progress has used its past accomplishments to a very material extent as stepping stones to the solution of the problems ahead.

As we pass through our large research institutions with their great libraries of impounded knowledge, their intricate and elaborate equipment of great precision, their organizations involving vast experiences in different fields of human activity, we are very apt to overlook the many contributions made by our early ancestors. We are likely to feel that many of the older materials and objects and contributions just sort of came naturally, and were not the developments of research projects quite as complex and requiring quite as

—*Continued on page* 38

Production Planners Appointed by OPM

OPD Washington Bureau
February 20, 1941

Appointment of a Production Planning Board was announced today by John D. Biggers, Director of Production, with the approval of the Director-General and the Associate Director-General of the Office of Production Management.

This board, which will hold its first meeting in Washington tomorrow, will advise both as to industrial planning during the emergency and as to post-emergency readjustments. As bases for such recommendations it will

—*Continued on page* 56

Priority Procedure Explained by OPM

OPD Washington Bureau
February 18, 1941

Detailed instructions as to the operation of the priorities system are contained in a bulletin being distributed by the Division of Priorities of the Office of Production Management.

The bulletin makes no changes in the operation or organization of the priorities division beyond clarifying its relationship with the army and navy which have been issuing priority orders for certain articles on the so-called critical list, mainly military items with no commercial counterpart.

There appears to be no immediate prospect that priority orders will be issued in the chemical field, the use of the system at present being confined chiefly to commercial aircraft, machine tools, various metal manfacturers, and certain non-ferrous metals such as aluminum, magnesium, nickel, and zinc. The bulletin states that priority orders will be avoided wherever possible and that they will not interfere with civil and private business until an actual shortage in connection with defense is imminent.

While explaining the operation of the priority system in more detail than has heretofore been announced, most of the bulletin is devoted to the division of authority between the Army and Navy Munitions Board and the OPM priorities division. The former

—*Continued on page* 50

New Solvents as Factors In Industrial Chemical Progress

By C. L. Gabriel

Commercial Solvents Corporation

(Continued from February 17 issue)

Products from Ethylene

A common solvent which has been made for ages, especially in dilute form for internal human use, is ethyl alcohol. Within the past decade this product has been synthesized on a large scale. Our old friends, the gases from petroleum cracking stills, again contain the raw material from which this synthetic alcohol is produced. Ethylene is separated from the mixture, sulphurated with sulphuric acid, which in turn is hydrolyzed to ethyl alcohol. While no new uses for ethyl olcohol have been stimulated by this new production, it should over a long period tend to hold down the wide fluctuations which in the past have occurred in blackstrap molasses, the raw material used for making alcohol by fermentation.

The use of ethylene is not limited to the synthesis of ethyl alcohol. The ethers of ethyleneglycol have already been referred to, as has also the production of ethylene oxide. The latter reacts with water to form ethyleneglycol, which finds extensive use in automobile cooling systems and in low-freezing point dynamite. Ethylene oxide reacts with ammonia to form the ethanolamines; these cannot be precisely classified as solvents but nevertheless are worthy of mention. In aqueous solution they absorb carbon dioxide and on heating again give up the gas. This is one of the methods

—*Continued on page 25*

Closing Markets

Sulphur Tax Increase Asked

Proposed amendment to the Texas Constitution would provide for a 25 percent increase in oil, gas and sulphur taxes.

Peppermint Oil Higher

Prices on peppermint oil were higher late last week. Natural, $3.75 to $4 per pound; redistilled, $4 to $4.25. Savin was scarce at $6.75 to $7 and a little celery oil might be had around $16.50 to $17 per pound.

Cottonseed Oil Lower

Refined cottonseed oil futures were lower on Friday under general selling on a decline in lard and depressing developments abroad. Final quotations showed a small net advance as compared with the closing prices of the previous week but were 10 to 12 points below the highest prices of the period. Southern markets for crude oil were quiet and easy.

Ethylcellulose Prices Adjusted

A leading producer announced lower prices ranging from 2c. to 3c. per pound for ethylcellulose. Schedule follows:—5,000 pounds or more, standard containers, freight allowed, 45c. per pound; less than 5,000 pounds, same basis, 47c. per pound.

Barry Is President Of Drug Club

W. D. Barry, manager of the New York branch of Mallinckrodt Chemical Works, St. Louis, was elected president of the Drug and Chemical Club, this city, February 20, following the annual election that chose the board of governors to serve in 1941. Other officers elected by the board of governors were:—Vice-president, Joseph J. Reynolds, of Corroon & Reynolds, Inc.; treasurer, Joseph C. Hanson, jr., of the Maiden Lane branch of the Chase National Bank, and secretary, A. J. Smith, of Zweig-Smith & Co.

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Magnesium Plant on West Coast Planned by RFC

OPD Washington Bureau
February 19, 1941

Plans for the construction of a plant near San Francisco to produce magnesium from ore mined in Utah, were reported today by Jesse H. Jones, Secretary of Commerce and Federal Loan Administrator. The plant would be a venture of Henry J. Kaiser, described by Mr. Jones as "the man who built Boulder Dam," and would be built with the aid of a $9,250,000 loan from the Reconstruction Finance Corporation. Output would be between 12,000 and 15,000 tons a year.

Mr. Jones added that Mr. Kaiser had "a new patent" for production of this metal, the manufacture of which the Justice Department recently charged had been monopolized to this country's detriment through agreements between American firms and German companies holding production patents. Mr. Jones also reported the Dow Chemical Company was adding to its plant in Texas where it produces magnesium from sea water.

Purchasing Ass'n Hears So. Amer. Aid Scored

The United States' present program of aid to Latin America is shortsighted, Anton de Haas, William Siegler professor of international relations at the Harvard School of Business Administration, told the Purchasing Agents Association of New York, at its annual purchasing-sales dinner in the Hotel Pennsylvania February 18. An effective Latin-American program would take too long, and the present program of lending what cannot be paid back can only lead to unpleasant results, Prof. de Haas warned.

The speaker also warned of more rigid priorities control in the near future, as voluntary controls and cooperation soon will be insufficient to meet defense needs. He said that the defense program calls for a high degree of cooperation among the forces of labor, management and producers of raw materials, and added that business in general has not yet realized

—*Continued on page* 29

Chemical Prices Well Supported

Demand further tightened the position of many articles in the markets for heavy and fine chemicals last week, and in some instances calls from outside customary channels were put on the waiting list. There also were delays in deliveries of some articles, for example, nickel salts and chlorine, and caution was being exercised with respect to tin salts. The effect on prices was strengthening.

The volume of business continued to increase in almost every place where it was possible to handle more. The limiting of exports of U.S.P. chemicals cut into the expected volume. Interest in export trade generally was lighter.

Prices were advanced on Straits tin, stannous chloride, tin crystals, tetrachloride of tin, stannate of soda, quicksilver, cadmium, shark-liver oil, wattle bark extract, gum rosin, gum turpentine, and domestic and imported dried blood in the East.

Prices were reduced on Chinese needle antimony, domestic tankage, dried blood at Chicago, and cottonseed meal in the Southeast.

The REPORTER's composite index number of prices for heavy and fine chemicals remained at 131.5 (100=average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 93.1, compared with 91.3 at this time last year and 88.9 in 1939.

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Sales Better in December

Domestic sales of wholesalers, and shipments by manufacturers were better generally during December, 1940, as compared with the same period in 1939, according to data compiled by the Department of Commerce. All classes of wholesale sales showed a gain during the period. As regards manufacturers shipments, only the petroleum refining industry registered a decrease for the 1940 month.

The compiled data also revealed that manufacturers' inventories were higher at the yearend; but that wholesalers' inventories, except in the paint and varnish classification, were lower.

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Use Tax Applies In Mail-Order Sales

OPD Washington Bureau
February 17, 1941

Iowa was confirmed today by the Supreme Court of the United States in its right to apply its 2 percent use tax to the business done in the State by the mail-order houses, Sears, Roebuck & Co. and Montgomery Ward & Co. The State supreme court had ruled that the tax did not lie on such transactions. The Supreme Court of the United States was divided 5 to 2 in its decision.

The Iowa use tax is similar to that of most other States which have adopted this means of extending the application of sales taxes or of adding a new source of revenue. The tax law, in order to facilitate collection of the import, requires every seller of an article of tangible personal prop-

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A.M.A. Trial Gets Data Scoring Group Plan

OPD Washington Bureau
February 20, 1941

The introduction of scores of documents showing that the American Medical Association deliberately conducted a nationwide campaign to destroy group medical practice featured the third week of the government's antitrust trial against organized medicine.

Most of the documents, which dozens of A.M.A. employees were brought from Chicago to identify, consisted of letters from doctors all over the country who inquired about proposed or organized group practice clinics in their communities. Answers by A.M.A. officials revealed an attitude of hostility toward prepaid medical care.

U.S. Tin Smelter to Be Operated by Dutch Firm

OPD Washington Bureau
February 19, 1941

A tentative agreement whereby a Netherlands tin smelting firm, N. V. Billiton Maatschapij, which operates in Holland and the Netherland East Indies, would erect and operate a tin smelter in the United States, was announced today by Jesse H. Jones, Secretary of Commerce and Federal Loan Administrator. The plant would smelt about 18,000 tons a year of Bolivian tin ore recently bought by this country. This is about one-fifth of the country's normal tin consumption. The smelter would be owned by the United States and would cost between $2,500,000 and $4,000,000.

U.S. Ammonia Plant Contract Award Made

OPD Washington Bureau
February 17, 1941

The War Department announced today the award of a contract, cleared by the Office of Production Management, for $15,484,195, on a cost-plus-fixed-fee basis, to the Atmospheric Nitrogen Corporation, New York, a subsidiary of the Allied Chemical & Dye Company, New York. Of this total award, $13,600,000 represents the cost of design, engineering, construction, equipping, and the equipment itself, leaving $1,884,195 for the operation of the plant.

Southern States Associates Study Paint Raw Materials

W. T. Hallman, of the DeSoto Paint & Varnish Company, Memphis, Tenn., was elected president of the Southern States Federation Associates at the seventh annual convention of the organization, held February 13 to 15 in the Roosevelt hotel, New Orleans, La. The retiring president was Paul C. Kollie, of F. J. Cooledge & Sons, Atlanta, Ga.

Others elected were:—Vice-president, C. C. Meaders, of the Warren Company, Atlanta, Ga., and secretary-treasurer, John J. Hughes, jr., of the Mobile Paint Manufacturing Company, Mobile, Ala. Mr. Kollie was named chairman of the plant managers committee. The newly elected executive committee is composed of C. I. Stover, of the Tampa Paint & Varnish Company, Tampa, Fla.; M. T. Bennett, of the Eason-Morgan Company, Nashville, Tenn.; W. A. Schneider, of the True-Tagg Paint Company, Memphis, Tenn.; and I. J. Dyson, of Wesco Water Paints, Inc., of Goodhope, La.

Reports of the various organizational committees occupied the business sessions of the meeting. E. B. Cordon, chairman of the membership committee, reported an increase in association membership. L. D. Warren, chairman of the plant managers committee, submitted a complete report of the activities of his group, in which he suggested that during the coming year methods for closer cooperation with the national committee be furthered.

R. A. Perry, chairman of the scholarship committee, outlined the progress of its work during the past year, which included an announcement of the research subject as "The Priming Coat on Yellow Pine Siding." The work is being done under a fellowship arrangement at the Georgia Institute of Technology of Atlanta under the direction of Paul Weber, he declared.

Technical Discussions

In the technical sessions of the convention, those gathered heard discussions concerning the basic carbonate white lead pigments, by Karel Vettewinkle, of the National Lead Com-

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Tax Differential on Alcohol Sponsored

OPD Washington Bureau
February 19, 1941

A bill to tax nonbeverage ethyl alcohol at a lower rate than beverage alcohol has been introduced in the house by Representative Estes Kefauver of Tennessee and referred to the committee on ways and means. The bill (H.R. 3383) provides that distilled spirits generally shall pay an internal-revenue tax of $3 per gallon, but a tax of $2 per gallon shall apply on brandy and "on nonbeverage ethyl alcohol used exclusively for manufacturing medicinal preparations, flavoring extracts, flavors, and for other non-beverage purposes."

Persons using nonbeverage alcohol subject to the lower tax would be required to do so under a bond and permit system set up by the Bureau of Internal Revenue.

McK.& R. Amended Plan Ordered Sent to SEC

An amended plan for the reorganization of McKesson & Robbins, approved by William J. Wardall, trustee, and the protective committee for security holders, was placed before Federal Judge Alfred C. Coxe and by him found worthy of consideration and ordered sent to the Security and Exchange Commission for report by March 25.

As amended, the plan gives preference stockholders a larger share in the division of equity, raising from 79.05 percent to 81.3 percent the ratio of new common stock which they are to receive in the proposed reorganization.

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Mining Institute Told About Defense Projects

Research in the fields of mining and metallurgy was discussed from every phase at the fifteenth annual meeting of the American Institute of Mining & Metallurgy, held in the Hotel Commodore, this city, February 17 to 20. John R. Suman, of Humble oil and refining, was elected president.

Officers elected were:—President, John R. Suman, of the Humble Oil & Refining Company; vice-presidents, Paul D. Merica, of the International Nickel Company, LeRoy Salsich, of the Oliver Iron Company, Duluth, Minn.

In discussing "Exploration of Domestic Deposits of Strategic Materials," C. F. Jackson, of the Bureau of Mines, reported that progress was being made in the bureau work on developing domestic deposits of minerals. In reporting on the projects, he said:—

One project, still active, has revealed tonnages of low-grade antimony ore, large enough in spite of the grade to furnish a very substantial tonnage of antimony at a price above normal. In addition, an erratic high-grade deposit was disclosed from which ore is being shipped, averaging 45 to 54 percent Sb in carload lots. In connection with the low-grade deposit, drilling has indicated a lens of as yet undetermined size that may average 4 to 5 percent Sb; if large enough, this would warrant milling at current prices of antimony.

Appreciable tonnages of chromite, offgrade on account of the chromium-iron ratio, have been indicated by trenching and drilling in two localities, viz., Stillwater County, Montana, and Grant County, Oregon. Though long known, the extent and degree of continuity of the deposits have been established more clearly by the project work, and a basis for more confident estimates of reserves has been provided.

Our work on manganese was not well under way until after the middle of the past year, but promising results are being obtained in some instances. In at least two areas and perhaps others, the work seems likely to reveal considerable blocks of ore in partly explored faulted areas that previously were either not known to exist or were highly speculative.

In a study on "Differential Flotation of an Arsenical Quicksilver Ore," Maurice Rey and H. Brevers, concluded that realgar behaves like a nonpolar mineral similar to carbon, sulphur and talc. Its strong tendency toward flotation can be effectively counteracted, even in the presence of

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Cinchophen Labels Must Warn Doctors

OPD Washington Bureau
February 20, 1941

Cinchophen and neocinchophen are such dangerous drugs that they must bear warning statements on the labels even when they are to be sold on the prescription of a physician, the Food and Drug Administration has informed a manufacturer.

In answer to an inquiry, the administration stated that its evidence shows that these drugs are capable of doing serious injury, but since the administration does not regulate the practice of medicine the manufacturer has the responsibility of deciding whether or not to distribute them for the use of physicians. When they are so distributed, the administration suggested use of a label similar to the following:—

Warning: This is a dangerous drug which may cause serious or fatal injury unless consumed under adequate and continuous medical supervision. It may cause acute yellow atrophy and cirrhosis of the liver. Caution: Therefore it should be used only on or by the prescription of a physician and never otherwise.

'Drug Trust' Jury To Probe Insulin

OPD Washington Bureau
February 20, 1941

An additional grand jury was sworn in today by the United States District Court here for the purpose of hearing evidence collected by the Department of Justice in its investigation of charges of antitrust law violation in the distribution of drugs and related merchandise.

Particular attention will be given to an alleged monopoly in the sale of insulin. The grand jury will hear more than a score of witnesses and will sit for at least a month, but department officials decline to reveal the names of those subpenaed or the nature of the evidence to be presented.

F.T.C. Barred By State Lines

OPD Washington Bureau
February 17, 1941

Intrastate commercial practices which would be unfair if in interstate commerce are beyond the reach of the Federal Trade Commission, the Supreme Court of the United States declared today in a 5-to-3 decision upholding the United States Circuit Court of Appeals for the Second Circuit. The commission had ordered cessation of the practice on the grounds that it gave the intrastate concern an unfair advantage over extrastate competitors.

The case grew out of the practice of Bunte Brothers, candy manufacturer, Chicago, of selling certain goods in "break and take" packages which bring the buyer a greater or less quantity according to chance. Such lottery methods are illegal in interstate commerce.

The five justices, including Chief Justice Hughes, who balked the Federal Trade Commission held that the practice was not competitive in interstate commerce. The dissenting justices held that the practice was unfair to certain competitors by way of interstate commerce and stated the following conclusion:—

The purpose of the act is to protect interstate commerce against specified types of injury. So far as the jurisdiction of the commission is concerned, it is the existence of that injury to interstate commerce, not the interstate or intrastate character of the conduct causing the injury, which is important.

Business Research Section In D. of C. Is Sought

OPD Washington Bureau
February 18, 1941

The establishment of a business research section within the Department of Commerce to provide business men with essential trade information was recommended today by Wayne C. Taylor, Undersecretary of Commerce. As Mr. Taylor explained it, the section would do for the business man what the Bureau of Agricultural Economics does for the farmer.

Carroll L. Wilson, of Massachusetts, has been nominated by President Roosevelt to be director of the Bureau of Foreign and Domestic Commerce, succeeding James W. Young. Mr. Wilson is a native of Minnesota, graduated from Harvard University and the Harvard Engineering School, and served as industrial engineer for the Westinghouse Electric & Manufacturing Company.

Drying Oils
Present Status — Future Prospects

By Gerald Eisenschiml
Scientific Oil Compounding Company

Presented February 14, 1941, before the Southern States Federation Associates in New Orleans. Published through courtesy of the Federation of Paint and Varnish Production Clubs.

The subject which I am going to discuss, namely, the drying oils and the drying oil situation of today, is a difficult one to cover in a short time. There are certain oils which are universally popular and accepted as standards by the entire trade; there are others which have friends in some quarters, but are disliked in others. We are in a period of rapid developments: many new oils are clamoring for attention, and few people are willing yet to render their final verdict.

Let us take up the different oils in the order of the prices at which they are selling; for in the last analysis this is the digest of the buyer's opinion as to their respective worth. There is an old saying among market observers that the tape does not lie. In plain English this means that you cannot argue with market quotations, because they express the combined world's judgment on values. Prices may at times rise or fall regardless of merit, due to abnormal supply and demand conditions, but in the long run they will return to their true place as surely as the needle of the compass returns to its position pointing to the North Pole.

Soybean Oil

The cheapest oil available is soybean oil. Soybean oil has found a limited use in the paint and varnish trade. Its indifferent drying qualities and slow-bodying characteristics render it of little use to the paint and varnish industry. Witness the fact that in 1939 only 6 percent of the entire soybean oil produced in the United States went into this field.

—*Continued on page 41*

Effective Association Functioning Essential to Private Enterprise

By John M. F. Donovan, Jr.
Trade Association Counselor

IV. The Necessity for Legal Guidance

(Continued from February 17 issue)

May Employ Counsel

Trade associations may perform legal services for their members and patrons, in or out of court, which are reasonably incidental to, or are practically necessary to, the conduct of their authorized businesses. Such legal services concern particular trade associations no less because they may concern some phases of the business of their members or patrons.

Trade associations are free to consult their own convenience in selecting and employing attorneys. What they may do through one member of the bar they may do through another, if he is not specially disqualified. The employment or retention of attorneys may be sporadic, frequent, or continuous. It may be performed in and from the offices of trade associations or from other outside offices. It may be

—*Continued on page 25*

DUTCH BOY DRY LEADS

...Now Packed in Bags!

Effective about March 1st, Dutch Boy dry leads will be available in bags. This applies to the following: Dutch Process, Carter Process, H.T.S., 333, 111, and Dutch Boy Basic Lead Sulphate White, acicular type. The bags are especially designed for these products. They are made of burlap, waterproofed, and are 50-lb. size. National Lead Company is glad to offer its customers this added convenience.

NATIONAL LEAD COMPANY

111 Broadway, New York; 116 Oak Street, Buffalo; 900 West 18th St., Chicago; 659 Freeman Ave., Cincinnati; 1213 West Third Street, Cleveland; 722 Chestnut Street, St. Louis; 2240 24th Street, San Francisco; National-Boston Lead Company, 800 Albany St., Boston; National Lead & Oil Co. of Penna., 1376 River Ave., Pittsburgh; John T. Lewis & Bros. Co., Widener Building, Phila.

RECEIVED FEB 24 1941 LIBRARY THE CHEMISTS' CLUB

Current Market Quotations

February 21, 1941

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).

Acetal, dms., dlvd.....lb. .75 - 1.00

Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —

Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works..lb. .70 - —

tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —

Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29

USP, cryst., bbls., 2,000-lb. lots, .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —

Acetoacetanilide, dms.....lb. .47 - .65

Acetone, CP, dms., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .08 - —
tanks, dlvd.....lb. .06 - —

Methyl (see M).

Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —

Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —

Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - .12

Acetic, com'l or redist., 28%, bbls..100 lbs. 2.22 - 2.48
cbys., cs.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys., cs.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys., cs.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys., cs.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
l.c.l., same terms.....lb. .09 - —
cbys.....100 lbs. 8.12 - 8.37
tanks.....100 lbs. 5.00 - 5.50
USP, bbls.....100 lbs. 10.25 -10.50
cbys.....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.43 - 8.68
tanks.....100 lbs. 5.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
C.P., dms.....100 lbs.13.50 -14.00

pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys., cs.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys., cs.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys., cs.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys., cs.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlvd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., s.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13

Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —

Adipic, fib. dms., works....lb. .31 - —

Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —

Arsenous, tech. (see Arsenic, White).

USP, powd., dms., kegs....lb. .20 - .22

Ascorbic, bots., dms.....oz. 2.00 - 2.05

Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs or less.....lb. .47 - —

USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60

Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.50 - —
ton lots, ex whse...ton.103.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —

powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse...ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton111.00 - —
ton lots, ex whse...ton.123.00 - —

Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton.128.00- —

USP, $25 per ton higher.

Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —

Broenner's bbls.....lb. 1.11 - —

Camphoric, cns.....lb. 7.00 - —

Capric, dms.....lb. .12½- .13

Caproic, dms., works.....lb. .30 - .35

Carbolic (see Phenol).

Caprylic, dms.....lb. .17½- —

Castor oil, split, dms.....lb. .14½- .15

Chlorosulphonic, d m s., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —

Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¼- —
l.c.l., 5 tons, dlvd., N.Y., lb. .15¾- —
smaller quantities, dlvd., N.Y..lb. .16¼- .17¼

Cinnamic, refd., bots.....lb. 2.85 - 3.25

Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —

anhydr., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10½- .11
Cottonseed oil, dist., dms....lb. .07¼- .07¾
tanks .....lb. .06¾- —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms....gal. .63 - .65
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U. S..gal. .43 - —
l.c.l., same basis....gal. .44 - .45
tanks, dlvd., East. U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .49 - —
l.c.l., same basis....gal. .50 - .51
tanks, dlvd., East. U.S.gal. .448 - —

Crotonic, 10 bbls. or more, dlvd..lb. .21 - —
smaller lots, dlvd.....lb. .26 - —
smaller containers, dlvd....lb. .50 - —

Diethylbarbituric (see Barbital).

Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over..lb. .11 - —
1-24 cbys.....lb. .11½- —

Fumaric, bbls., 1-ton delivery, lb. .24 - —
smaller lots.....lb. .25 - .28

Gallic, tech., bbls.....lb. .90 - .93

N.F. VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —

Gamma, bbls.....lb. .85 - —

Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —

H, bbls.....lb. .45 - —

Hydriodic, 45-47%, cbys.....lb. 2.42 - —
5-lb. bots.....lb. 2.63 - —

57%, bots.....lb. 2.90 - —

Hydrobromic, 10% dilute, cby. lb. .20 - —
concentrated, 34%, cby.....lb. .35 - —

Hydrochloric (see Muriatic).

Hydrocyanic, cyls., works....lb. .80 - 1.00

Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber, dms.....lb. .08 - .08½

48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —

52%, lead, cbys.....lb. .13 - —
rubber, dms.....lb. .12 - —

60%, lead cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —

Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09½

Hypophosphorus, USP, 30%, djns..lb. .75 - .80

Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —

44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —

light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —

44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —

50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19, cbys.....lb. .11 - .12
1 to 4 cbys.....lb. .11½- .12½

Acid, lactic, plastic grade, bbls., cbys., 20 or more..lb. .12½- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¼- .14¼

80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½

USP, XI, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .43

Lauric, dist., tech., dms....lb. .12 - .12½

Laurent's, bbls.....lb. .45 - —

Linseed oil, light, dms.....lb. .12½- .13

Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l.....lb. .26 - —

Malic, powd., kegs.....lb. .47 - —

Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15

Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit, c.l.....lb. .0085- .009

Molybdic, kegs, works.....lb. .95 - 1.10

Monochloracetic, tech., bbls..lb. .15 - .18

Monosulphonic, bbls.....lb. 1.50 - —

Muriatic, 18°, cbys, c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —

20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —

22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —

C.P., dealers, cbys.....lb. .06¼- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .19 - —

Myristic, dist., dms.....lb. .16 - .16½

Naphthenic, dom., acidity 160, dms., c.l., works..lb. .06¼ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.

220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.

240 min., acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices

Nicotinic, 100-lb. cns.....lb. 7.15 - —
50 lb. cns.....lb. 7.25 - —
25-lb. cns.....lb. 7.30 - —
5-lb. bots.....lb. 7.46 - —
1-lb. bots.....lb. 7.50 - —

Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —

38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —

40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —

42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —

C.P., USP, dealers, cbys...lb. .11¼- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .12 - —
7-lb. bots, cbys.....lb. .23 - —

Oleum (see sulphuric fuming).

Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over.....lb. .11 - —
smaller quantities.....lb. .12 - .14

Palmitic, bgs.....lb. .09¾- .10¼

Palm oil, white, dist., dms..lb. .07 - .07½
tanks .....lb. .06½- —

Phenylacetic, bots.....lb. 1.50 - 1.95

Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —

USP, 85%, s. g. 1,710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1,347, cbys., 70 lbs..lb. .12 - —
dms., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns..lb. .07 - .07½

Picramic, kgs.....lb. .65 - .70

Picric, bbls.....lb. .35 - —

Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —

Pyrogallic, tech., lump, powd., bbls..lb. 1.20 - —
cns. .....lb. 1.25 - —

USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.20 - —

Pyroligenous, bbls., dlvd. E.gal. .25 - —

Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works.....lb. .27 - —
l.c.l., works.....lb. .28 - .33

Salicylic, tech., bbls., works....lb. .32 - —
USP, bbls.....lb. .35 - .40

Sebacic, CP, bbls., works....lb. No prices
tech., bbls., works.....lb. No prices

Soybean oil, dist., dms.....lb. .08¾- .09½

Stearic, dist., double pressed, bgs., dlvd..lb. .10 - .11
single pressed, bgs., dlvd..lb. .09½- .10½
triple pressed, bgs., dlvd..lb. .12¾- .13¾

Acacia—Alcohol

Acid, stearic, saponif., double pressed, bgs., dlvd..lb. .10¼- .11¼
triple pressed, bgs., dlvd..lb. .13 - .14

Succinic, bbls.....lb. .75 - —

Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —

Sulphonaphthenic, dms.....lb. .04 - .10

Sulphuric, 60°, cbys., c.l., E. works, 100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.30 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —

66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E, works.....ton.16.50 - —

98°, tanks, works.....ton.17.50 - —

CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .13½- —
consumers, cbys.....lb. .05 - —
9-lb. bots.....lb. .17 - —

fuming, 20%, tanks, E. works, ton.18.50 - —

Tannic, tech., bbls., dms....lb. .54 - .56

USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots.....lb. .90 - —

Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .57½- —
smaller quantities...lb. .58 - —
kgs. .....lb. .58½- —

Tobias, bbls.....lb. .55 - .60

Trichloroacetic, bots.....lb. 2.00 - 2.50

Tungstic, CP, kgs., works...lb. No prices
Chem. grade, kgs., works...lb. No prices

Aconite, leaves, bls.....lb. .38 - .42
Root, bls.....lb. .45 - .50

Aconitine, amorph., bots.....oz.28.00 - —
vis. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vis. .....gr. 1.60 - —

Acrylonitrile, dms., c.l.....lb. .34½- —
5,000 lbs. or more.....lb. .35 - —
1 ton to 4,999 lbs.....lb. .35½- —
1 dm. to 1 ton.....lb. .36 - —
tank cars.....lb. .34 - —

Adeps lanae, anhyd., dms....lb. .19 - .20
hyd., dms.....lb. .17 - .18

Agar, 1, bls.....lb. 1.40 - 1.45
3, bls.....lb. No prices

Agaric, white, bls.....lb. No stocks

Albumen, blood, dark, flake, bags, f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —

light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .35 - .42
import, bgs.....lb. No prices

Egg, ed., dom., cryst., bbls..lb. .65 - .68
powd., dms., bbls.....lb. .70 - .75
import, cs.....lb. .76 - .79

Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .121 - —
l.c.l., frt. alld.....lb. .131 - —
tanks, frt. alld.....lb. .111 - —
normal, dms., l.c.l., works..lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —

Benzyl, cns.....lb. .69 - —
drums .....lb. .63 - —

Butyl, normal, cns., works...lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10¼- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld.....lb. .09¼- —

secondary, dms., c.l., frt. paid E. of Miss. R..lb. .08¼- —
l.c.l., same terms.....lb. .09¾- —
tanks, same terms.....lb. .07¼- —

tertiary, denaturing, c.l., dms..lb. .12¼- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —

Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .95 - —

Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —

Cinnamic, bots.....lb. 2.00 - 2.50

Denatured, CD14, dms., c.l., works, E..gal. .32½- —
l.c.l., works, dms.....gal. .37½- —
tanks, E., works.....gal. .29½- —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .31½- —
19 bbls., E. works...gal. .33½- —
1 to 18 bbls., E. works, gal. .36½- —
dms., c.l., E. works...gal. .30½- —
19 dms., E. works...gal. .32½- —
1 to 18 dms.....gal. .35½- —
tanks, E. works.....gal. .24½- —

Anhydrous 5c. per gal. higher.

SD2B, dms., c.l., works, E. gal. .28½- —
19 dms., works, E....gal. .30½- —
1 to 18 dms., works, E. gal. .33½- —
tanks, E. works.....gal. .23½- —

Alcohol—Bismuth Salts

Alcohol, denatured, 5D23G, works, E., c.l., dms..gal. .24½ -
19 dms.....gal. .25½ -
1 to 18 dms.....gal. .25½ -
tanks.....gal. .23½ -
Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.
Special solvent, dms., c.l., works..gal. .21½ -
20 dms., to c.l.....gal. .23½ -
1 to 19 dms.....gal. .25½ -
tanks, E works.....gal. .25½ -
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., divd..lb. .10½ -
l.c.l., divd.....lb. .11 -
tanks, divd.....lb. .09½ -
tech., dms., c.l., divd.....lb. .10 -
l.c.l., divd.....lb. .10½ -
tanks, divd.....lb. .09 -
Ethyl, 190 pf., ex. molasses, dms., c.l.....gal. 6.00½ -
19 dms.....gal. 6.04 -
5 to 18 dms.....gal. 6.07 -
1 to 4 dms.....gal. 6.07 -
tanks.....gal. 5.94½ -
absolute, dms., c.l.....gal. 6.35½ -
19 dms.....gal. 6.39 -
5 to 18 dms.....gal. 6.42 -
1 to 4 dms.....gal. 6.42 -
Ethyl alcohol in bbls. 1c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works..lb. .24 -
l.c.l., same basis.....lb. .25 -
tanks, same basis.....lb. .22 -
Furfuryl, tech., cns., works..lb. .35 -
dms., c.l., 55,000 lbs., works, lb. .30 -
l.c.l., 500 lbs. and more, works..lb. .35 -
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0790 -
tanks, same terms.....lb. .0690 -
Isopropyl, refd., 91% dms., 5 gals., f.o.b. dest..gal. .06½ -
55 gals., c.l., same basis, gal. .35 -
l.c.l., same basis...gal. .40 -
tanks, frt. alld.....gal. .30 -
99%, dms., 5 gals., same basis..gal. .65 -
55 gals., c.l., same basis, gal. .38 - .42
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.30 - 2.35
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 -
less than 2,000 lbs.....lb. .70 -
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 -
less than 2,000 lbs.....lb. .65 -
Propyl, normal, dms., works, gal. .70 -
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y..lb. .44 -
450-lb. lots, same basis.....lb. .50 -
cns., f.o.b., Cedar Rapids, Ia., lb. .55 -
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .73
Aldehyde bisulphite, bbls., divd., lb. .17 -
smaller containers.....lb. .20 -
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 -
l.c.l., works.....lb. .13 -
5-10-gal. dms., wks.....lb. .15 -
Aletris root, bgs.....lb. .32 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .67 - .69
Alpha pocopherol, ampules, per gram. 1.00 - 1.10
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .43 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - 3.60
100-lb. kgs.....lb. 3.27 -
35-lb. fib. dms.....lb. 3.34 - 3.64
Alphanaphthol, bbls.....lb. .52 -
Alphanaphthylamine, bbls.....lb. .52 -
Althea root, USP, cube cut, bbls., lb. .90 Nom.
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .19
gran., bbls., works....100 lbs. 3.50 -
dlvd. N.Y., Phil...100 lbs. 3.50 -
lump, bbls., works.....100 lbs. 3.75 -
dlvd. N.Y., Phil...100 lbs. 3.75 -
powd., bbls., works.....100 lbs. 3.90 -
dlvd. N.Y., Phil...100 lbs. 3.90 -
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd. N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 -
dlvd. N. Y., Phila...100 lbs. 3.75 -
lump, bbls., works.....100 lbs. 4.00 -
dlvd. N.Y., Phila...100 lbs. 4.00 -
powd., bbls., works.....100 lbs. 4.15 -
dlvd. N.Y., Phila...100 lbs. 4.16 -
Potash alum prices on same basis as those for ammonia alum.
Potash, chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 -
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd...lb. .25 -
1 to 9, dlvd.....lb. .40 -
smaller containers...lb. .50 -
soluble, bbls., dlvd....lb. .33 -
smaller containers, dlvd., lb. .45 -
solut., 24%, bbls., c.l., dlvd..lb. .07½ -
l.c.l., 10 or over, dlvd. lb. .08½ -
1 to 9, dlvd.....lb. .09½ -
normal, pwd., bbls., dlvd. lb. .33 -
smaller containers, dlvd. lb. .35 -
solut., 20%, bbls., c.l., dlvd..lb. .03 -
l.c.l., 10 or over, dlvd. lb. .03½ -
1 to 9, dlvd.....lb. .09 -
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 -
12,000 to 40,000 lbs., works..lb. .09 -
1,100 to 11,000 lbs., works, lb. .10 -
140 to 875 lbs., works.lb. .11 -
100 lbs. or less, works.lb. .12 -
Alumina, chloride, cryst., com'l, dms, c.l., works..lb. .06 - —
l.c.l., works.....lb. .06½ - .06¾
solution, 32 deg., dbys., c.l., works..lb. .02¾ -
l.c.l., works.....lb. .03¼ -
Formate, 30% solut., bbls., c.l., dlvd..lb. .13 -
l.c.l., dlvd.....lb. .15 -
Hydrate, heavy, bbls., c.l., works..lb. .0290 -
l.c.l., bbls., works.....lb. .03½ -
bgs., c.l., works.....lb. .0260 -
light, bgs., c.l., dlvd.....lb. .12 -
l.c.l., bgs., dlvd.....lb. .12½ -
bbls., c.l., dlvd.....lb. .12½ -
l.c.l., bbls., dlvd.....lb. .13 -
Oleate, dms., contract.....lb. .17½ -
open order.....lb. .17½ - .20
Palmitate, precip., bbls.....lb. .20½ - .21½
Resinate, precip., dms., dlvd.lb. .15 -
Stearate, precip., bbls., ctns., c.l...lb. .18 -
l.c.l.....lb. .19 -
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 -
l.c.l., works, frt. equaled, 100 lbs. 1.40 -
bbls., c.l., works....100 lbs. 1.35 -
l.c.l., works, frt. equaled, 100 lbs. 1.60 -
iron free, bgs., c.l., works, 100 lbs. 1.60 -
l.c.l., works.....100 lbs. 1.85 -
bbls., c.l., works....100 lbs. 1.80 -
l.c.l., works.....100 lbs. 2.05 -
Aluminum, 98-99%, c.l.....lb. .17 -
l.c.l.....lb. .18 -
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½ -
ink, dms., 1,500 lbs.....lb. .70½ -
standard, dms., 1,500 lbs..lb. .87½ -
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 -
standard, dms., 1,500 lbs..lb. .87 -
litho, extra brilliant, dms., 1,500 lbs..lb. .42 -
extra fine, dms., 1,500 lbs..lb. .44 -
lining, dms., 1,500 lbs....lb. .57 -
standard, dms., 1,500 lbs..lb. .50 -
rubber compound, dms., 1,500 lbs. .38 -
unpolished, dms., 1,500 lbs. lb. .36 -
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 -
extra fine, dms., 1,500 lbs..lb. .43 -
standard, dms., 1,500 lbs..lb. .38 -
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 3c. per lb. higher for 200-400 lbs. and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 13c. per lb. for ¼ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 50,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.35.00 - 36.00
Aminocmethylpropanol, dms., works..lb. .50 -
5 and 10-gal. cans, works..lb. .60 -
Aminopyrine, 100-lb. dms.....lb. 4.00 -
5-lb. bots.....lb. 4.25 - 4.35
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .32
dms., dlvd.....lb. .22 - .26
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va.....ton.90.00 -
refrigeration, tanks, works, lb. .05 -
pure, cyclo., dlvd., met. N.Y., lb. .16 -
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, dbys.....lb. .05¼ -
dms., c.l.....lb. .02¼ -
l.c.l.....lb. .02½ -
tanks (on NH_3 content), f.o.b. works..lb. .04 -
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .40 -
1,000 lbs. to 3,900 lbs..lb. .41 -
900 lbs. or less.....lb. .42 -
Bicarbonate, dms., dlvd., Met. N.Y..lb. .0564 - .0614
Bichromate, bbls.....lb. .50 - .53
Bifluoride, bbls.....lb. .14 - .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 -
bxs.....lb. .34 - .35
kegs.....lb. .23 -
Carbonate, lump, dms., dlvd., Met. N.Y..lb. .03½ - .09½
cns., same basis.....lb. .14½ -
powdered, 1c. per lb. higher.
Chloride, tech., (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .18
100-lb. kgs.....lb. .15 -
Citrate, 250-lb. bbls.....lb. .75 -
100-lb. dms.....lb. .80 -
50-lb. dms.....lb. .82 -
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars.....lb. 1.35 -
Iodide, 5-lb. bots.....lb. 3.71 -
jars.....lb. 3.85 -
Linoleate, 50%, anhyd., bbls., lb. .12 -
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 -
bbls., works.....100 lbs. 4.55 -
Oleate, dms.....lb. .14 -
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .32 -
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bbls., lb. .37 -
kgs.....lb. .39 -
tech., bbls., c.l.....lb. .07¼ -
l.c.l.....lb. .08¾ - .09¼
monobasic, crude (fert. grade), 11% N 49% phos., bulk, f.o.b. E. works, unit-ton. 1.55 & .79
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼ -
l.c.l.....lb. .08¾ - .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½ - .15
Stearate, anhydrous.....lb. .34½ -
paste.....lb. .06½ -
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, Jan.-June shipt..ton.29.00 -
spot, same basis.....ton.30.00 -
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works..lb. .07¼ -
l.c.l., dlvd.....lb. .15 -
tanks, dlvd.....lb. .07½ -
Ammonia, sulphide, red, 43%, dbys., works..lb. .06 -
dms., works.....lb. .06 -
yellow, 53%, dbys., works..lb. .06 -
dms., works.....lb. .06 -
Sulphocyanide, pure, 96-100%, kgs..lb. .65 -
tech., kgs.....lb. .40 -
Ammoniac, gum (see Gum, ammoniac), sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l.....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 -
l.c.l., same basis...100 lbs. 5.15 -
import, cakes.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .11½ -
l.c.l., dlvd.....lb. .12 -
tanks, dlvd.....lb. .10½ -
cns., works.....lb. .16 - .18
ex Pentane, dms., c.l., frt. alld..lb. .115 -
l.c.l., frt. alld.....lb. .125 -
tanks, frt. alld.....lb. .10½ -
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 -
Caproate, cns.....lb. 2.75 -
Chloride, normal, dms., works, lb. .56 -
small lots, works.....lb. .66 -
mixed, tech., dms., c.l., works..lb. .0565 -
l.c.l., works.....lb. .0665 -
tanks, works.....lb. .0465 -
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .15 -
refd., l.c.l., dms, works..lb. .17½ -
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 -
Oleate, dms., l.c.l., works...lb. .28 -
Salicylate, 5 lbs., bots.....lb. .61 -
cns., 25 lbs.....lb. .51 -
Stearate, dms., l.c.l., works..lb. .26 -
Amylene, dms., c.l., works....lb. .102 -
l.c.l., works.....lb. .11 -
tanks, works.....lb. .09 -
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .40
import., natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .80 - .82
Anilin oil, dms.....lb. .15 -
l.c.l.....lb. .16 -
tanks.....lb. .14½ -
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .23 - .23½
Cyprus, bgs.....lb. .23½ - .24
Mexican, bgs.....lb. .22½ - .23
Star.....lb. .19 - .19½
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatte paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 -
90%, bbls., wks.....lb. .65 -
Anthraquinone, 99.5%, subl., bbls., lb. .65 -
Antimony butter (see Antimony chloride).
Chloride, solut., dbys.....lb. .17 -
Metal, spot.....lb. .14 Nom.
Needle, brown, Bolivian, 67%, lb. .16 -
Chinese, black, 70%.....lb. .24 - .26
Oxide, bgs., c.l., dlvd.....lb. .12 - .13
l.c.l., dlvd.....lb. .13½ - .14½
Salt, 62%, dms.....lb. .28 -
bbls.....lb. .30 -
White pigment, bgs.....lb. .11½ - .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 -
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 - 23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots.oz. 5.20 - 6.10
Argols, test 70% to 82%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls.....lb. 1.25 Nom.
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls.....lb. .09½ - .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 -
Iodide (arsenous), 5-lb. bots..lb. 5.50 -
jars.....lb. 5.45 -
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03½ -
l.c.l.....lb. .04½ -
Asafetida, cs.....lb. .36 - .37
powd., bbls., bxs.....lb. .54 - .55
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M bgs., c.l., (20 tons), Canad. mines..ton.42.50 -
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 -
6D, bgs., c.l. (30 tons) Canad. mines—ton.30.00 -
7D, bgs., c.l. (30 tons), Canad. mines..ton.28.00 -
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 -
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 -
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 -
7M, bgs., c.l., (30 tons), Canad. mines..ton.15.00 -
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04½ -
smaller lots, f.o.b. plant, lb. .05½ -
process form, bgs., 20 tons, f.o.b. plant..lb. .05 -
smaller lots, f.o.b. plant, lb. .06 -
California, dms., c.l., f.o.b. N.Y..ton.29.00 -
l.c.l., f.o.b. N. Y.....ton.36.50 -
Cuban A, bgs., c.l., f.o.b. N.Y. ton.60.00 -
l.c.l., f.o.b. N. Y.....ton.90.00 -
B, bgs., c.l., f.o.b. N. Y...ton.35.00 -
l.c.l., f.o.b. N. Y.....ton.55.00 -
Egyptian, bgs., c.l., f.o.b. N.Y., lb. .13 -
l.c.l., f.o.b. N. Y.....lb. .15 -
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.00 -
seconds, bgs., c.l., Western shipt. points..ton.26.50 -
selects, bgs., c.l., Western shipt. points..ton.32.90 -
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 -
jet, bgs., c.l., Western shipping points.ton.30.50 -
Mexican, Texas, dms., c.l., refinery..ton.19.00 -
l.c.l., refinery.....ton.21.00 -
tanks, refinery.....ton.16.00 -
Petroleum, cut-back, bbls., l.c.l., E. est., refinery..gal. .12 -
dms., c.l., E. est., refinery, gal. .12 -
tanks, Calif., refinery...ton.12.50 - 14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½ -
N. Orleans, refinery...gal. .06 -
Atropine, bots.....oz. 6.75 - 7.50
Sulphate, bots.....oz. 5.45 - 6.00

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 -
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 -
precip., bgs., c.l., works..ton.45.00 -
l.c.l., works.....ton.50.00 -
bbls., c.l., works.....ton.50.00 -
l.c.l., works.....ton.55.00 -
Sulphur-free, c.l., works..ton.50.00 -
l.c.l., works.....ton.55.00 -
Chlorate, kgs.....lb. .45 Nom.
Chloride, CP, cryst., bbls.....lb. .25 -
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 -
bbls., same basis..ton.79.00 -
l.c.l., bgs., same basis, ton.90.00 -
bbls., same basis...ton.92.00 -
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 -
bbls., same basis...ton.83.00 -
l.c.l., bgs., same basis, ton.94.00 -
bbls., same basis...ton.96.00 -
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton.87.00 -
bbls., same basis...ton.89.00 -
l.c.l., bgs., same basis, ton.100.00 -
bbls., same basis...ton.102.00 -
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 -
bbls., same basis...ton.85.00 -
l.c.l., bgs., same basis, ton.96.00 -
bbls., same basis...ton.98.00 -
Dioxide, dms., c.l., works....lb. .10 -
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. 05½ - .07
Iodide, bots.....lb. 4.77 -
jars.....lb. 4.62 -
Monoxide (see Oxide).
Nitrate, cks.....lb. .08½ - .10½
Oxide, ungrd., dms., c.l., works, lb. .08 -
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech., (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½ - .10
kgs.....lb. .12 -
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 -
l.c.l., same basis.....ton.26.15 -
paper bags, c.l., St. Louis, ton.22.85 -
l.c.l., same basis.....ton.23.85 -
ex whse., New York....ton.31.50 -
Southern, off color, bulk mines, ton.12.00 -
95.75%, bulk mines.....ton.16.00 -
ore, bulk mines.....ton. 7.00 -
Cuban, crude, c.l., c.i.f.....ton.11.00 -
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 1.75 - 1.80
Root, bls.....lb. 2.00 Nom.
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 -
325 mesh, bgs., Wyo., works, ton.16 00 -
Benzaldehyde, tech., dbys., dms., lb. .45 - .50
(N.F. VI, dms., 50 to 100 lbs..lb. .85 -
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 -
Benzol, 90%, dms., returnable, works..gal. .19 -
tankcars, frt. alld. E. of Omaha, gal. .14 -
W. Coast, f.o.b. Minnequa, Colo..gal. .14 -
Benzoyl chloride, cbys.....lb. .23 - .28
(Peroxide, pure, gran., fib. ctns, works..lb. 1.95 -
Benzyl acetate, f.f.c., cans..lb. .49 -
dms.....lb. .44 -
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans.lb. .84 -
dms.....lb. .80 -
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb.16.75 -17.25
Hydrochloride, cns.....lb.16.75 -17.25
Sulphate, cns.....lb.16.75 -17.25
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs.....lb. .60 -
tech., bbls., c.l., works....lb. .23 -
l.c.l., bbls., works.....lb. .24 -
Benzoate, fib. dms.....lb. 2.10 -
kgs.....lb. 2.00 -
Betanaphthylamine, tech., kgs.lb. .51 -
Beth root, bls.....lb. .19 - .21
Bismuth chloride, fib. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.70 -
jars.....lb. 2.65 -
Hydroxide, 5-lb. bots.....lb. 3.46 -
cns.....lb. 3.35 -
Metal, ton lots.....lb. 1.25 -
Nitrate, cryst., 5-lb. bots....lb. 1.45 -
cns.....lb. 1.30 -
Oxychloride, 5-lb. bots.....lb. 3.19 -
cns., kgs.....lb. 3.10 -
Subbenzoate, 5-lb. bots.....lb. 3.36 -
fib. dms.....lb. 1.13 -
Subcarbonate, bots., cns.....lb. 1.82 - 2.08
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 2.02 -
fib. dms.....lb. 2.96 -
Subgallate, bots., cns.....lb. 1.77 - 2.00
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 -
fib. dms.....lb. 3.98 -
Subnitrate, powd., bots., cns.lb. 1.57 - 1.85
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 60-66%, bots...lb. 2.50 -
bbls., fib. dms.....lb. 2.50 -

Bismuth, subphocarbolate, 5-lb. bots..lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots..lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld.E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l., frt. alld. E., lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.... ..lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., bgs., c.l., frt. alld. E., lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E., lb. .11 - —
l.c.l., frt .alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants.lb. .03075- —
f.o.b. North Atlantic ports..lb. .03950- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07025- —
divd..lb. .07025- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02925- —
f.o.b. North Atlantic ports..lb. .02925- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06525- —
divd..lb. .06525- —
bulk, cars, c.l., f.o.b. plants, lb. .02¾- —
f.o.b. New York harbor..lb. .0363- —
All carbon black prices are for delivery in February-March.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
Black dyes are listed under Dyes.
Black Haw, root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equald..ton.70.00 - —
l.c.l., same basis..ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.65 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 2.85 - —
import, bgs., c.i.f. ports, ship..unit-ton. 2.55 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., divd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .90
Alkali blue toner prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .52 - —
regular, same basis, contracts, lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.15 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, divd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 25-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., cns., dms.....lb. 1.60 - 1.62
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 -32.00
import, bgs., c.i.f. ports...ton.32.00 -32.50

Bone, meal, steamed, dom., 8% ammon., 50% phos., bgs., f.o.b. Chicago..ton.33.00 -35.00
import, bgs., c.i.f. ports..ton.31.50 - —
Phosphate, recip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.37.50 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .45 - .48
Borax, tech., 99¼% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
bgs., c.l., frt. alld....ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld....ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).

Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .12 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11½- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bgs., c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¾- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .13 - —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09½- —
5, bbls, same basis....lb. .09½- —
6, bbls., same basis....lb. .09 - —
7, bbls., same basis....lb. .08¾- —
8, bbls., same basis....lb. .08½- —
9, bbls., same basis....lb. .08 - —
10, bbls., same basis....lb. .08 - —
11, bbls., same basis....lb. .07½- —
12, bbls., same basis....lb. .07 - —
13, bbls., same basis....lb. .06¾- —
14, bbls., same basis....lb. .06¼- —

Bismuth Sulpho. Brown, Umber

Brown, sienna, raw, American, bbls., f.o.b. works..lb. .02¾- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .13¼- —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .12¼- —
4, bbls., same basis....lb. .10¼- —
5, bbls., same basis....lb. .10¼- —
6, bbls., same basis....lb. .09¼- —
7, bbls., same basis....lb. .09¼- —
8, bbls., same basis....lb. .08 - —
9, bbls., same basis....lb. .07½- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .05¾- —
Umber, American, bbls., works, lb. .03¼- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04¾- —
St. Louis.....lb. .05¼- —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05½- —
ex whse, Los Angeles, Portland, San Francisco, Seattle..lb. .05¾- —
Boston .....lb. .04¾- —
Chcago, Indianapolis, New Orleans..lb. .05¼- —
Kansas City.....lb. .05¾- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —

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HARSHAW

[redacted]

DRIERS, PIGMENTS, CHEMICALS

[redacted]

THE HARSHAW CHEMICAL CO.

Offices and Laboratories: Cleveland, Ohio

QUALITY PRODUCTS SINCE 1892

New York, Philadelphia, Chicago, Detroit, Pittsburgh, Cincinnati, East Liverpool, Los Angeles, San Francisco

Works at Cleveland and Elyria, Ohio and Philadelphia, Pa.

[redacted]

Bryonia Root—Castor Pomace

Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .55 - .56
Buckthorn bark, true, bls.....lb. No prices
cut and sifted, bbls..lb. .85 - .90
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .35 - .40
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks. lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld...lb. .09½- —
secondary, dms., c.l., frt pd. E. of Miss. R..lb. .08¼- —
dms., l.c.l., same terms.lb. .08¾- —
tanks, same terms.....lb. .07½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works...lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbonal, secondary, l.c.l., dms., works..lb. .60 - —
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55-gal. dms., divd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate dms.....lb. .23½- —
Propionate, dms., divd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —

Butyric ether, bots.....gal. 6.50 - 6.90
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, comi., 16-34°, tanks, group 3..gal. .02½- 03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Cyanide, 25-lb. bots., divd...lb. 3.00 - —
25-lb. cks., divd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cans.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .90 Nom.
ingots or sticks.....lb. .85 Nom.
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms..lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lbs. cns.....lb. 2.70 - —
1,000 lbs. or more, 100 lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —

Caffeine, less than 100 lbs., 10-lb. cns..lb. 3.15 - —
Citrated, bots.....lb. 2.30 - 2.35
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .80
Calamus root, peeled, N. F., cs., lb. No prices
bleached, bls.....lb. 1.00 - 1.25
Calcium acetate, bgs., divd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l. .....lb. .06¾- —

Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.

Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l. divd.100 lbs. 4 75 - —
l.c.l., f.o.b. warehouse,100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-88%, dms., c.l., divd..ton.20.50 -35.00
l.c.l., 1 ton or over, divd. 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., divd..ton19.00 -33.00
l.c.l., 1 ton or over, divd. 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.

STAUFFER CHEMICALS

CARBON BISULPHIDE

A clear, water-white product testing 99.99% pure, Stauffer Carbon Bisulphide is one of a selected list of basic chemicals produced by Stauffer Chemical Company. Prompt deliveries can be made in any quantity from five-gallon drums to fifty-ton tank cars, from strategically located plants, serving the Chemical Industry from coast to coast.

OTHER STAUFFER PRODUCTS

BORIC ACID : CARBON TETRACHLORIDE : BORAX : TITANIUM TETRACHLORIDE : SULPHUR CHLORIDE : SILICON TETRACHLORIDE CREAM OF TARTAR : SULPHURIC ACID : TARTARIC ACID WHITING : LIQUID CHLORINE : CAUSTIC SODA : TEXTILE STRIPPER SULPHUR

PACIFIC COAST PRODUCTS

SULPHATE OF ALUMINA : COMMERCIAL MURIATIC ACID COMMERCIAL NITRIC ACID : COPPERAS SUPERPHOSPHATE NITRATE OF POTASH

Stauffer CHEMICALS

A dependable source of supply

STAUFFER CHEMICAL COMPANY

420 LEXINGTON AVE., NEW YORK, N. Y. 624 CALIFORNIA ST., SAN FRANCISCO, CAL.
555 SO. FLOWER ST., LOS ANGELES, CAL. 230 NO. MICH. AVE., CHICAGO, ILL.
FREEPORT, TEXAS APOPKA, FLORIDA 424 OHIO BUILDING, AKRON, OHIO

Calcium, glycerophosphate, fib. dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.15 - 2.30
fluffy, dms.....lb. 2.00 - 2.15
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt.unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs.lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .85 - .90
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, powd., cs..lb. .82 - 83
slabs, cs.....lb. .82 - .83
tablets, tins.....lb. .87 - .88
synth., dom., tech., bbls., con tract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran.,powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots...lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .0330- .0350
Morocco, bgs.....lb. .04 - .04½
Turkish, bgs.....lb. .0340- .0360
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 3.00 - 3.05
powd, bxs.....lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. .58 - .60
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl (see Amyl alcohol, tertiary).
Isobutyl, c.l., dms., frt. alld..lb. .225 - —
l.c.l., same basis.....lb. .235 - —
tanks, same basis.....lb. .215 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
Zone 3, 5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.15 - 1.50
decorticated, cs.....lb. .90 Nom.
green, Ceylon, afloat, bgs....lb. .95 - .96
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .17 - .18
Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., divd..lb. .12 - .13
5 tons, works.....lb. .12¼- .13½
smaller lots, works.....lb. .12½- .13½
80-100 mesh, bgs., c.l.....lb. .12½- .13½
5 tons., works.....lb. .12¾- .13¾
smaller lots, works.....lb. .13 - .14
Import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .12 - —
80-100 mesh, bgs., c.l., duty paid..lb. .12¼- —
French, 30 mesh., bgs... c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .16½- .17
No. 1, regular, bls.....lb. .17 - .17½
shortsticks, bls.....lb. .13½- .14
broken, bls.....lb. .11 - .11½
China, buds, bags.....lb. .12 - .12½
Rolls, select., bls.....lb. .11 - .11½
broken, extra, bls.....lb. .09¾- .10¼
Saigon, No. 1, 4-10-4, bls....lb. .18¾- .19¼
10-6-2, bls.....lb. .19¼- .19¾
all thin, bls.....lb. .21 - .21½
Cassia fistula, bskts.....lb. .15 - .16
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.10.00 - —
Castor beans, Brazilian, ship't, c&f. N.Y...ton.51.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.l.f. ports, shipment..ton. No prices

Celery seed, French, bgs.....lb. .62 - .64
Indian .....lb. .33½- .36
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. .....lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .42 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
Acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .48 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .50 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. 1.00 - 1.25
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo. .....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis.ton.27.00 - —
Indiana .....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex., (except El Paso), Ia.....ton.25.00 - —
Kansas, El Paso, Tex., ton.26.00 - —
Michigan .....ton.32.80 - —
Ohio .....ton.32.80 - —
Penn. .....ton.34.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02¼- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.00 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.18.60 -25.00
powd., cks., l.c.l., ex whse., ton.45.00 - —
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05¼- —
contracts, dlvd., N. Y...lb. .05¼- —
l.c.l., dlvd., N. Y.....lb. .07¼- —
tanks, single units, works frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt., equald., 100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.40 - —
1, works, frt. equald., 100 lbs. 2.90 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld.....lb. .85 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 12, works. lb. 1.25 - —
Chrome acetate, powd., 24% bbls., dlvd..lb. .12½- —
solut. 8½%, ca., bbls.....lb. .05¾- —
Cake, bulk, c.l., works....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, ca..lb. .85 - .90
20 in., thick, ca.....lb. .85 - .90
20 in., medium, cs.....lb. .85 - .90
USP, broken quill, red, bgs., lb. .20 - .21
yellow, bgs.....lb. .20 - .21
Cinchonidine, small crys., cns., 100 ozs..oz. .89 - —
Sulphate, N.F., cns.100 ozs..oz. .53 - —
Cinchonidine buyers must pay a surcharge of 5c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs..oz. .69 - —
large cryst., cns.100 ozs..oz. .60 - —
Sulphate, N.F., cns.100 ozs..oz. .42 - —
Cinchonine buyers must pay a surcharge of 5c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Cinchophen, USP, 25-lb. fib. dms., lb. 3.00 - —
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .16¾- .17¼
3 bls.....lb. .16¼- .16¾
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars.....lb. .95 - .97
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Amboyna, bgs.....lb. .23 - .23½
Madagascar .....lb. .16¼- .16¾
Zanzibar .....lb. .16 - .16½
Clover tops, red, bgs.....lb. .25 - .40
dom., bgs.....lb. .20 - .25
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07¼- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10

Coaltar, water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .80½- —
Carbonate, powd., bgs., works, lb. 1.53 - —
Chloride, kgs., works.....lb. .35 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 8%, dms....lb. .81 - —
solid, 9½%, bbls.....lb. .83 - —
Oleate, bbls.....lb. .35 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .15½- —
1 % cobalt oxide, bbls....lb. .13 - —
2 % cobalt oxide, bbls....lb. .14 - —
3½% cobalt oxide, bbls....lb. .17½- —
precip., dms., dlvd.....lb. .24 - —
Sulphate, dms.....lb. .05 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs....lb. .19 - —
Cocillana bark, bgs.....lb. .25 - .30
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.80 - —
Phosphate, cns., 100 oz.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.90 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb .07 - .08
Colchicine, bots., cns.....oz.22.00 -25.00
Colchicum seed, bgs.....lb. 2.50 Nom.

Celery Seed—Copper Sulphide

Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .55 - .60
Colombo root, bls.....lb. .15 - .16
Coltsfoot leaves, bgs.....lb. .35 - .40
Condurango bark, bgs.....lb. .11 - .12
Conium leaves, bls.....lb. .20 - .25
Copaiba balsam, Para, cns....lb. .27 - .28
S.A., USP, cns.....lb. .29 - .30
Copper acetate, normal, bbls., dlvd..lb. .23 - —
smaller containers, dlvd..lb. .24 - —
Carbonate, 52-54%, bbls.....lb. .16¾- —
Chloride, cryst., bbls.....lb. .16 - —
Cyanide, tech., bbls.....lb. .34 - —
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .12 - —
Nitrate, cryst., bbls.....lb. .16¼-
Oleate, precip., bbls.....lb .30 - —
Copper, oxide, black, 79-80%, bbls., tons, works..lb. .18 - —
Red, com'l, 80-88%, kgs., f.o.b. N.Y..lb. .20½- —
Resinate, precip., bbls.....lb. .15 - .16
Sulphate, 99% cryst., bbls., c.l., f.o.b. works..100 lbs. 4.75 - —
l.c.l., 10-50 bbls., same basis. 100 lbs. 4.90 - —
6-15 bbls., same basis. 100 lbs. 5.10 - —
1-5 bbls., same basis. 100 lbs. 5.35 - —
monohydrated, dms., c.l., dealers, f.o.b. works.100 lbs. 9.20 - 9.50
l.c.l., dealers.....100 lbs.10.30 -10.55

An Idea

60 YEARS AHEAD OF ITS TIME

Today, we are hearing a great deal about American self-sufficiency in chemicals.

It is easy to think of this as an idea that is new and different.

As a matter of fact, this concept was the driving force behind the start of a great chemical development fully 60 years ago.

Rowland Hazard and William Cogswell talked of American chemical self-sufficiency in 1881 and with this thought in mind founded the Solvay Process Company.

Because of the foresight of these men, America is today independent in the matter of Alkalies, and because of that fact, enjoys a large measure of chemical self-sufficiency.

At no other period in American history has chemical self-sufficiency been of greater importance than it is at the present time. And yet, there is even more to the story of chemical progress than our national security.

This is the age of research development on many fronts . . . of an endless procession of new things . . . plastics, fabrics, fuels, metals, new types of glass, which are coming from the laboratories.

This is THE NEW WORLD OF CHEMISTRY in which Alkalies are of major importance. It is the world of new materials which took a long stride forward 60 years ago when the foundations of the Solvay Process Company were laid down.

Now, as increasing quantities of pure grades and new forms of alkalies become more important than ever before, it is highly important to check sources of supply for reliability and capacity to meet all contingencies.

The present situation serves only to emphasize the advantages of buying your alkalies from Solvay.

1881 1941

SOLVAY SALES CORPORATION • 40 Rector Street, New York, N. Y.

Alkalies and Chemical Products Manufactured by The Solvay Process Company

The sixteenth annual banquet of the Drug, Chemical and Allied Trades section of the New York Board of Trade will be held on Thursday evening, March 13, 1941, at the Waldorf-Astoria in New York City. Make your reservations now!

Copperas—Fish Berries

Copperas, cryst., gran., bgs., c.l., works...ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works.
100 lbs. 1.95 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, ship.....lb. .0175 Nom.
Coriander, bgs.....lb. .06¾- .07¼
bleached, bgs.....lb. .09 - .09½
Corn sugar, tanners', chipped, bgs., c.l., dlvd..100 lbs. 3.95 - —
slabs, bbls., c.l.....100 lbs. 3.31 - —
solid, bbls., c.l.....100 lbs. 3.48 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.42 - —
43°, bbls., c.l.....100 lbs. 3.47 - —
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.19 - —
gran., powd., dms., 50 lbs. or more..lb. 2.04 - —
Cottonroot bark, bls.....lb. .10 - .11
Cornsilk, bls.....lb. .15 - .16
Cottonseed, hull ash, 33-36% potash, bgs., dlvd..unit-ton. 1.90 - —
meal, 8%, Southeast, mills..ton.24.50 -25.00
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz cns.....lb. 3.35 - 3.60
less than 5 dms., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .24 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .10 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .47½- —
smaller lots, bbls.....lb. .48 - —
kgs.....lb. .48½- —
Creosote, beechwood, bots.....lb. No prices
hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .26 - —
Carbonate, bots., shpt.....lb. 1.90 - 2.20
Oil, crude, tanks, works....gal. .13¼- .14¼
Coaltar, solution, tanks, works, gal. .122 - .122
refd., bbls., l.c.l., works.gal. .25 - —
tanks, works.....gal. .18 - .18¼
Cresol, USP, dms., c.l., works.lb. .09½- —
l.c.l., same basis.....lb. .10¼- —
special resin grade, dms., c.l., works..lb. .08¼- —
l.c.l., same basis.....lb. .09¼- —
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works..lb. .11 - —
l.c.l. works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River..lb. .08½- —
l.c.l., works.....lb. .09¼- —
natural, c.l.....100 lbs. 8.75 - —
l.c.l. .....100 lbs. 9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C....lb. .19 - .21
4% rotenone prices are 3c. per lb less.
Cubeb berries, XX, bgs.....lb. .39 - .41
powd., cs.....lb. .45 - .47
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .18½- .19
Cyprus, bgs.....lb. .18½- .19
Persian, bgs.....lb. .16 - .16½
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04½- —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N..unit-ton. 1.40 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cychlohexane, 98-100%, dms., works..lb. .16 - —
Cyclohexanol, 98-100%, dms., works..lb. .23 - —
Cyclohexanone, 98-100%, dms., works..lb. .32 - —

D

Damiana leaves, bls.....lb. .16 - .17
Dandelion root, German, bls...lb. .75 - .80
Decanol, normal, tech., 360 lbs., dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .12 - .14
Degras, common dom., bbls...lb. .07½- .08½
neutral, dom., bbls.....lb. .13 - .16
Derris root, powdered, 5% rotenone, bbls., f.o.b. N.Y.....lb. .21 - .23
4% rotenone prices are 3c. per lb. less.
Derris, extract, 25% rotenone, bulk, cns..lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.05 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.60 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.75 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.95 - —
Potato, import, bgs.....lb. No stocks
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .083 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Phthalate, dms., c.l., dlvd....lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
l.c.l., works.....lb. .50 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard.....ton.35.00 -39.00
l.c.l., ex whse.....ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard.lb. .06 - —
l.c.l., ex whse.....lb. .10 - .16
import, bgs., c.l., c.l.f....ton. No prices
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .53 - —
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd....lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½- .25½
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentanes, dms., c.l., works,..lb. .032 - —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylamino ethanol, l.c.l., dms., works,frt. alld. E. of Miss. river, l.c.l., dms..lb. .75 - —
Diethylaniliin, dms.....lb. .40 - —
Diethylcarbonate, com'l, dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbanol, l.c.l., dms., works, lb. .60 - —
Oxalate, dms., l.c.l., dlvd....lb. .27 - —
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works..lb. .22½- .24½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .35 - .40
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works..lb. .19 - —
Dillseed, recleaned, bgs.....lb. .07¾- .08¼
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylaniliin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvd.lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl (sec. amyl alcohol tertiary).
Dimethylethyl carbinol, l.c.l., dms., works..lb. .60 - —
Dinitrobenzene, bbls., 80° min..lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton.32.00 - —
Venezuelan .....ton.35.00 - —
Doggrass root, cut, N.F., bls...lb. .09 - .65
Dogwood bark, Jamaica, bls...lb. .08 - .10
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns.lb.13.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
FD&C green, No. 2, cns....lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
Green, FD&C green, No. 1, cns. lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns...lb. 2.65 - —
FD&C yellow, No. 4, cns...lb. 2.65 - —
FD&C yellow, No. 5, cns...lb. 3.15 - —
FD&C yellow, No. 6, cns...lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics):—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns.. lb.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 4, cns..lb. 8.35 - —
D&C orange, No. 4, cns...lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
D&C orange, No. 11, cns...lb.17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb. 8.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns...lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 3.....lb.21.35 - —
Ext. D&C red, No. 6.....lb. 7.35 - —
Ext. D&C red, No. 10, cns..lb.12.35 - —
Ext. D&C red, No. 13, cns..lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
104 Lake red C.....lb. .70 - .80
170 Fast red D.....lb. .50 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
206 Fast red blue R.....lb. .75 - 2.00
211 Chrome red B.....lb. 1.75 - 2.60
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
262 Cloth red 2B.....lb. .90 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B..lb. .80 - .85
326 Direct cast scarlet...lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .50
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
612 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
865 Nigrosin derivatives..lb. .38 - .62
Blue:—
1075 Alizarin astrol base...lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green..lb. 5.00 - —
Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Orange, red shade....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
238 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .96 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 230 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
864 Nigrosin .....lb. .38 - .44
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base..lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS....lb. 2.00 - —
Violet:—
680 Methyl violet base....lb. .85 - —
Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.50 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B....lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y.....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G....lb. .40 - .52
332 Bismarck brown R....lb. .50 - .52
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. 1.35 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange V.....lb. .80 - —
161 Orange R.....lb. .54 - —
31 Amidonaphthol red G..lb. .42 - —
87 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
170 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
188 Crocein scarlet 3BX...lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crussin M....lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
788 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S....lb. .88 - —
188 Metanil yellow.....lb. .53 - —
526 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
648 Tartrazin .....lb. .90 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echniacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .59 - .60
imported .....lb. .56 - .59
Elder flowers, bright, bls.....lb. .72 - .73
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.22.00 -23.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, U.S.P. hemihydrate, tins, 1,000 oz..oz. .70 - —
100 ozs.....oz. .80 - —
anhyd., dms., 1,000-oz. lots.oz. .75 - —
100-oz. lots.....oz. .85 - —
Hydrochloride, tins, 1,000-oz. lots..oz. .55 - —
tins 100-oz. lots.....oz. .65 - —
Sulphate cryst., tins, 1,000-oz. lots..oz. .53 - —
tins, 100-oz. lots.....oz. .63 - —
Epsom salt, tech., bgs.....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal....100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 1.55 - 1.60
Esenne, bots.....oz.50.00 -60.00
Salicylate, bots.....oz.42.00 -54.00
Sulphate, bots.....oz.42.00 -54.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .63 - —
Sulphuric, conc., 310-lb. dms., lb. .11 - —
cns., 27 lbs.....lb. .14 - —
Synth., dms., c.l., works...lb. .10 - —
l.c.l., works .....lb. .11 - —
tanks .....lb. .08 - —
USP, anesthesia, dms., 27 lbs., lb. .20 - —
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07½- —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06½- —
95-98%, dms., c.l., frt. alld..lb. .07¾- —
l.c.l., frt. alld.....lb. .08¼- —
tanks, frt. alld.....lb. .06¾- —
N.F., 460-lb. dms.....lb. .10 - —
cns., 35 lbs.....lb. .14½- —
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55-gal. dms., dlvd., lb. .35 - —
1-gal. cns.....lb. 1.00 - —
5 and 10-gal. dms., dlvd...lb. .75 - —
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works.lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. cns.....lb. 6.00 - —
5-lb. lots, cns.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, std. cans., 5,000 lbs. or more, frt. alld..lb. .45 - —
less than 5,000 lbs., same basis..lb. .47 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0696- —
West of Rockies, same basis..lb. .0743- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0746- —
West of Rockies, same basis..lb. .0792- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15½- .16½
tanks .....lb. .13½- —
Monobutylether, dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
Monoethylether, dms., c.l., works, lb. .14½- —
l.c.l., works.....lb. .15½- .18½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11¼- —
l.c.l., dms.....lb. .12¼- .15½
tanks, works.....lb. .10¼- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethyldihanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .78 - .80
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .09 - .10

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons..ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. .16 - .16½
French, bgs.....lb. .35 Nom.
Indian, bgs.....lb. .11½- .12
German, large, bgs.....lb. .33 Nom.
Roumanian, bgs.....lb. .11½- .12
Fenugreek seed, bgs.....lb. .04½- .05
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works....lb. .13 - —
light, cs., 1,000 lbs. or over, works...lb. .13 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
Fir balsam, Canada, cns.....gal.16.00 -16.50
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .26 - .27

Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. No prices
meal, bgs., f.o.b. Baltimore.....ton. 58.00 -59.00
6-7% ammon., 3% phosphor. acid, bulk, So. Atlantic factories, contracts.....unit-ton. 2.50 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Jan. shipt..ton. No prices
spot..ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs.....lb. .11 - —
Fleaseed, French, black, bgs...lb. .55 - .60
Indian, blonde, bgs.....lb. .09 - .10
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton. 23.00 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton. 20.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton. 20.00 - —
imported, 85.5, duty paid, short ton. No prices
Formaldehyde, bbls., c.l., works. lb. .0350- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0565- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines..ton. 15.00 - —
import, bgs., c.l., ex dock. ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .16 - .17½
Fustic extract, cryst., bbls.....lb. .24 - .25
liquid, bbls.....lb. .10½- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .16 - .17
Gambier, common, cases.....lb. .06½- .07
plantation, cases.....lb. .09½- .11½
Cubes, Singapore, cases....lb. .08½- .09
extract, bbls.....lb. .09½- .12
Gasoline at refinery:—
Bayonne, US motor, tanks, ex tax..gal. .05½- .06½
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .13½- —
Gulf Coast, US motor, 70-72 octane, tanks, ex tax..gal, .03¼- .03½
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax..gal. .04½- .04¾
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax..gal. .04½- .04¾
natural, 18-55, tanks....gal. .02¾- .02¾
26-70, tanks.....gal. .02 - .02¾
Gelatine, silver, cs.....lb. .60 - .67
Geisemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .40 - .45
grd., bbls., bxs.....lb. .44 - .49
powd., bbls., bxs.....lb. .45 - .50
Geraniol, cns., dms.....lb. .60 - 3.00
Ginger, African, No. 1, bgs....lb. .07¼- .07¾
Cochin, lemon, bgs.....lb. No stocks
Jamaica, bold, bgs.....lb. .17 Nom.
medium, bgs.....lb. .16 Nom.
grinding, bright, bgs.....lb. .15½ Nom.
Japanese, bgs.....lb. No stocks
Ginseng root, wild Southern, cs. lb. 12.00 -13.00
Glauber's salt, andhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.18
5 tons or over, works, 100 lbs. 1.05 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
36/58 bgs., c.l., dlvd.....lb. .13½- —
l.c.l., dlvd.....lb. .14 - —
58/82 bgs., c.l., dlvd.....lb. .15 - —
l.c.l., dlvd.....lb. .15½- —
82/106 millipose, bgs. c.l., dlvd..lb. .15½- —
l.c.l., dlvd.....lb. .16 - —
Hide, calcimine type, 58 millipoise, 135 jellygrams, bgs., c.l., dlvd. East Middlewest. lb. .17 - —
l.c.l., same basis.....lb. .17½- —
60/164, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19 - —
67/122, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20 - —
75/222, bgs., c.l., same basis, lb. .22½- —
l.c.l., same basis.....lb. .23½- —
88/251, bgs., c.l., same basis, lb. .23½- —
l.c.l., same basis.....lb. .24½- —
92/283, bgs., c.l., same basis, lb. .24½- —
l.c.l., same basis.....lb. .25½- —
102/318, bgs., c.l., same basis..lb. .25½- —
l.c.l., same basis.....lb. .26 - —
113/347, bgs., c.l., same basis..lb. .26 - —
122/379, bgs., c.l., same basis..lb. .27 - —
l.c.l., same basis.....lb. .28 - —
Glue prices for barrel packing, ¼c. per lb. higher; grinding charge, 20-40 mesh, ¼c. per lb.; 60 mesh, 1c. per lb.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms., c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12¾- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11¾- —
saponification, tanks, dlvd., for industrial users, special colors, dms. returnable, c.l., dlvd..lb. .09½- —
l.c.l., same basis....lb. .10½- —
tanks.....lb. .08½- —
for refiners, dms. returnable, tanks, dlvd..lb. .08½- .08¾
soaplye, basis 80%, dms., tanks, returnable, dlvd..lb. .07½- .07¾
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol borborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz. 35.00 - —
Chloride, acid brown, both...oz. 20.75 -21.00
yellow, bots.....oz. 18.75 -19.00
Gold-soda chloride, photo., bots., oz. 13.00 - —
USP IX, bots.....oz. 14.50 -14.75
Gold of pleasure, seed, bgs....lb. .16 - .16½
Goldenseal, root, bls.....lb. 2.50 - 2.55
powd., bxs.....lb. 2.75 - 2.80
Grains of paradise, bgs.....lb. .40 - .41
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06½- —
l.c.l., works.....lb. .06½- —
amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
50% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house.....lb. .04¾ Nom.
white.....lb. .05 Nom.
yellow.....lb. .04¾ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 6%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis..lb. .22 - —
11-15%, bbls., same basis..lb. .23 - —
16-20%, bbls., same basis..lb. .23½- —
21-25%, bbls., same basis..lb. .24 - —
26-30%, bbls., same basis..lb. .24½- —
31-35%, bbls., same basis..lb. .25½- —
36-40%, bbls., same basis..lb. .27 - —
41-45%, bbls., same basis..lb. .28½- —
46-50%, bbls., same basis..lb. .30 - —
Green, chrome, prices are ¼c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¾c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ¼c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis, lb. .06¾- —
11-13%, bbls., same basis, lb. .07¼- —
14-16%, bbls., same basis, lb. .07½- —
17-19%, bbls., same basis, lb. .07¾- —
20-21%, bbls., same basis, lb. .08 - —
22-23%, bbls., same basis, lb. .08¼- —
24-25%, bbls., same basis, lb. .08½- —
26-27%, bbls., same basis, lb. .08¾- —
28-29%, bbls., same basis, lb. .09¼- —
30-31%, bbls., same basis, lb. .10 - —
32-33%, bbls., same basis, lb. .11¾- —
34-35%, bbls., same basis, lb. .12¼- —
36-40%, bbls., same basis, lb. .14½- —
41-45%, bbls., same basis, lb. .16¼- —
46-50%, bbls., same basis, lb. .16¾- —
51-55%, bbls., same basis, lb. .17¼- —
56-60%, bbls., same basis, lb. .17¾- —
61-65%, bbls., same basis, lb. .18¼- —
66-70%, bbls., same basis..lb. .19¼- —
71-75%, bbls., same basis, lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls.....lb. .88 - —
Paris (see P).
Green, tungstated, brilliant, kgs. lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....oz. .30 - .35
strained, cs.....lb. .30 - .35
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.67
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Gum, guarana, powd., cs.....lb. 1.20 - 1.25
Aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .14 - .15
white, sorts, 1, bgs.....lb. .35 - .36
powd., bbls.....lb. .18 - .20
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.65 - 1.75
Sumatra, cs.....lb. .19 - .20
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. No prices
Copal, Congo, 1 ,water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49¼- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices on 30,000 lbs. min. apply to asorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
2, water white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs.. c.l., same basis..lb. .13¾- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13¾- —
Gum, copal, Congo, 11, hard dark amber bold bgs., c.l., same basis..lb. .12¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .12¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12¾- —
23, small mixed nubs, bgs., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09¾- —
26, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs., bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .06 - —
chips, bgs., c.l., same basis, lb. .05½- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs and chips, bgs., c.l., same basis..lb. .05½- —
black, bold, scraped, bgs., c.l., same basis..lb. .05¾- —
unscraped, bgs., c.l., same basis..lb. .05¾- —
nubs and chips, bgs., c.l., same basis..lb. .05¾- —
Hiroe Macassar, pale bold, bgs., c.l., same basis..lb. .12¾- —
chips, bgs., c.l., same basis, lb. .06¾- —
dust, bgs., c.l., same basis, lb. .06¼- —
nubs, bgs., c.l., same basis..lb. .10¼- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¾- —
chips, bgs., c.l., same basis, lb. .08½- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bakts., c.l., same basis, lb. .13¾- —
light, bakts., c.l., same basis..lb. .15¾- —
Loba A, bakts., c.l., same basis..lb. .11¾- —
Loba B, bakts., c.l., same basis..lb. .11¾- —
C, bakts., c.l., same basis, lb. .11¼- —
CNE, bakts., c.l., same basis..lb. .08½- —
D, bakts., c.l., same basis, lb. .12¾- —
DK, bakts., c.l., same basis, lb. .08 - —
dust, bakts., c.l., same basis..lb. .06 - —
Sambas and white split chips, bakts., c.l., same basis..lb. .15¾- —
Singapore, dust, bakts., c.l., same basis..lb. .06 - —
Spirit-soluble, CBB, bakts., same basis..lb. .10¾- —
DBB, bakts., c.l., same basis..lb. .10 - —
MA, bakts., c.l., same basis, lb. .07¾- —
MB, bakts., c.l., same basis, lb. .07¼- —
WS, bakts., c.l., same basis, lb. .10 - —
A/D, cs., c.l., same basis, lb. .13¾- —
Philippine, Manila, amber sorts, bakts., c.l., same basis..lb. .08 - —
chips, pale, bakts., c.l., same basis..lb. .11¾- —
pale, small, bakts., c.l., same basis..lb. .00 - —
extra pale sorts, bakts., c.l., same basis..lb. .10½- —
nubs, bakts., c.l., same basis..lb. .13½- —
scraped, bakts., c.l., same basis..lb. .14¾- —
seeds and dust, bakts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine bgs., same basis..lb. .15¾- —
mixed, bgs., c.l., same basis, lb. .14¾- —
split, bgs., c.l., same basis, lb. .13¾- —
chips, bgs., c.l., same basis, lb. .10 - —
nubs, bgs., c.l., same basis, lb. .12¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21¾- —
A/C, cs., c.l., same basis..lb. .15¾- —
A/E, cs, c.l., same basis..lb. .12¾- —
B, cs., c.l., same basis...lb. .20¼- —
C, cs., c.l., same basis....lb. .14¾- —
D, cs., c.l., same basis....lb. .13¼- —
dust, cs., c.l., same basis..lb. .07¾- —
E, cs., c.l., same basis....lb. .10 - —
F, cs., c.l., same basis...lb. .06 - —
Singapore, 1, cs., c.l., same basis..lb. .16¾- —
2, cs., c.l., same basis....lb. .12¾- —
3, cs., c.l., same basis....lb. .07¼- —
chips, cs., c.l., same basis..lb. .11 - —
dust, cs., c.l., same basis..lb. .07¼- —
seeds, cs., c.l., same basis..lb. .09¾- —
Elemi, cns., c.l., same basis as copal..lb. .08½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del. and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs..lb. .06¼- .00¾
less than 10,000 lbs., same basis..lb. .06¼- .07
dlvd. Western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va. and N. C., 75,000 lbs., contrs. or straight, c.l..lb. .06¾- .07

Fish Scrap—Hypernic

Gum, elemi, dlvd. elsewhere, 75,000 lbs., contrs. or straight, c.l..lb. .07 - .07¼
l.c.l., same basis.....lb. .07¼- .07¾
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.05 - 1.10
Gamboge, pipe, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Gualac resin).
Karaya, bbls., bxs., dms....lb. .14 - .33
Kauri, brown, XXX, cs., c.l.lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .12¾- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basi....lb. .42 - —
2, cs., c.l., same basis....lb. .34 - —
3, cs., c.l., same basis....lb. .17¾- —
Kino, tins.....lb. No prices
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lb. 1.50 - 1.60
Myrrh, USP, cs.....lb. .45 - .50
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opiums (see O).
Rosin (see R).
Sandarac, cks.....lb. .50 - .55
Scammony, cs.....lb. 1.10 - 1.75
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs. 15.00 -15.25
Tragacanth, Alleppo, 1 cs....lb. 2.75 - 2.85
2 cs.....lb. 2.45 - 2.60
3 cs.....lb. 2.10 - 2.20
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton. 22.45 - —
Medicine Lodge, Kans., frt. equald..ton. 17.00 - —
Harlem River, N. Y., frt. equald..ton. 13.00 - —
New Brighton, N. Y., frt. equal..ton. 27.65 - —
Southard, Oklahoma, frt. equald..ton. 17.00 - —
Sweetwater, Texas, frt. equald..ton. 21.45 - —
Plaster of Paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton. 12.50 - —
Acme, Tex., frt. equald. ton. 12.50 - —
Medicine Lodge, Kans., frt. equald..ton. 12.50 - —
New Brighton, N. Y., frt. equald..ton. 13.00 - —
Southard, Oklahoma, frt. equald..ton. 12.50 - —
Sweetwater, Texas, frt. equald..ton. 12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N. Y.; Blue Rapids, Kans.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plastercoe, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southerd, Okla.; Sweetwater, Tex.; frt. equald., ton. 4.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton. 12.00 - —
import, bgs., ex dock.....ton. 28.00 Nom.

H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 3.10 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .53 - .55
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03¾- —
Hempseed, Manchur, bgs.....lb. .06¼- .06¾
Henbane leaves, bls.....lb. 1.75 Nom.
Henna leaves, bls.....lb. .20 - .22
powd., bbls., bxs.....lb. .35 - .37
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09¼- —
normal, 96-100°, dms., c.l., Group 3..gal. .11¼- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., l.c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., dlvd., Group 3..gal. .24 - —
l.c.l., 5 or more, dlvd., Group 3..gal. .29 - —
1-5, dlvd., Group 3.....gal. .38 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works....lb. .25 - —
Homatropine hydrobromide, 25 oz. oz. 15.00 -15.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.75 - 2.80
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .12 - .13
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz. 20.00 - —
Hydrochloride, bots., 4 ozs...oz. 20.00 - —
Sulphate, bots., 4 ozs.....oz. 21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .39 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., or Miss. River: West Coast via Panama canal..lb. .26 - .18½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.60 - 2.80
Hyoscine hydrobromide, bots..oz. 65.00 -75.00
Hydrochloride, bots.....oz. 65.00 -75.00
Hyoscyamine, bots.....oz. 21.25 - 22.25
Hydrobromide, bots.....oz. 21.25 -22.25
Sulphate, bots.....oz. 21.25 -22.25
Hypernic, ext., liquid, 30°, bbls. lb. .14 - —

Iceland Moss—Manna

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium, metal.....oz. 12.50 - —
Indol, CP, bots.....lb. 32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse, Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone alpha, bots.....lb. 2.75 - 2.80
Alpha, extra, bots.....lb. 3.75 - 3.80
beta, bots.....lb. 3.10 - 3.15
beta, bots.....lb. 3.90 - 3.95
Ipecac root, bgs.....lb. 1.10 - 1.15
powd., bxs.....lb. 1.25 - 1.30
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls...lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 200-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .09
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07¼- —
kegs.....lb. .08¼- —
solut. cbys., works, frt. alld. or equald..lb. .06¼- .07
djns.....lb. .07¼- —
Citrate, USP VIII, pearls...lb. .73 - .78
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .90
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 2.15 - —
smaller lots.....lb. 2.25 - —
cns., 25 lbs.....lb. 2.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.33
syrup, djns.....lb. .39 - —
bots.....lb. .53 - —
Nitrate, red, tech., dms.....lb. .06½- .04
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, CSS.....lb. .83 - .85
Oxide, black, bbls., works...lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-bl. kgs.....lb. .27 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 80%, cs.....lb. .68 - .75
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .36
pearls, cns.....lb. .35 - .39
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .36
scales, cns.....lb. .47 - .50
Iron-oxalate, bxs.....lb. .30 - —
5-lb. dms.....lb. .25½- —
kgs.....lb. .26½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .45 - —
Iron-soda oxalate, bxs.....lb. .20 - —
5-lb. dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutylacetate, 55-gal. dms., works..lb. .07½0- —
tanks, works.....lb. .0690- —
Propionate, dms., works.....lb. .06¼- —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .35 - —
Isopropylamine, dms, works...lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .11 - —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07½- —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .08 - —
tanks, E. of Rockies, frt. alld..lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .28 - .31
powd., bbls., bxs.....lb. .30 - .32
resin, lump, 100-lb. lots, cns..lb. 5.25 - —
powd., bxs.....lb. 5.50 - —
Juniper berries, bgs.....lb. Nominal

K

Kamala, tins.....lb. .30 - .32
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0330- —
California (f.o.b. San Francisco) truck..gal. .11½- —
Gulf ports, p.w., bulk.....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03⅝- .04¼
tanks..gal. .03⅝- .04¼
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03⅝- .04¼
Pennsylvania, 45 w.w., tanks, gal. .05 - .05¼
Kieserite, cal., 86-90% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No price
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 6.50 - 6.60
Middlewestern, tfrs....100 lbs. 6.30 - 6.40
Neutral, trcs.....100 lbs. 7.25 - 7.35
Western, choice, trcs..100 lbs. 6.40 - 6.50
Compound, trcs.....100 lbs. 8.75 - 9.00
Larkspur seed, bgs.....lb. 1.60 - 1.70
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .30 - .33
Turkish, bls.....lb. No stocks
Lavender flowers, ordinary, bls.lb. .50 - .55
medium, bls.....lb. .55 - .60
select, bls.....lb. .65 - .70
Lead acetate, white, broken, bbls., lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .09 - .09½
l.c.l., bgs.....lb. .09½- .10
Lead arsenate prices are works or whse. basis, frt. alld .to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¾- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .06¾- —
l.c.l., dlvd. E.....lb. .06½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
5lb. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5-lb. bots., lb. 2.60 - —
jars.....lb. 2.55 - —
Linoleate, pale, precip., dms. lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, powd., bbls., tech..lb. .28 - —
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb. .0840- —
Other points.....lb. .0815- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.....lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
other points.....lb. .08½- —
smaller lots, Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0865- —
other points.....lb. .0840- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09½- —
other points.....lb. .09¾- —
smaller lots, dlvd. Ala..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09½- —
96%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0890- —
other points.....lb. .0865- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
smaller lots, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .09¾- —
other points.....lb. .09½- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused 15%, bbls...lb. .09½- —
pale, bbls.....lb. .11½- —
Silicate, bgs., 5 tons.....lb. 6.33 - —
smaller lots.....lb. 6.80 - —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bgs. or bbls., c.l. (20 tons), works, frt. alld..lb. .16¾- —
l.c.l., 5 tons, one deliv., E. frt. alld..lb. .16½- —
Pac. Cst., ex whse.....lb. .10½- —
smaller lots, E. frt. alld..lb. .10¾- —
Pac. Cst., ex whse.....lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., dlvd., Ariz., etc..lb. .08 - —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06¾- —
other points.....lb. .06½- —
l.c.l., dlvd., Ariz., etc..lb. .07 - —
other points.....lb. .06¾- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers.....lb. .10¾- —
painters.....lb. .11¾- —
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same l.c.l., same basis..lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
Lecithin, tech., grade 4, dms., c.l., same basis..lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .13 - .18
Licorice extract, mass, cs....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .12 - .15
select, bdls., cs.....lb. .50 - .60
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va...ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio.....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Va.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. V...ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton. 13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal...ton. 13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton. 10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va...ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio.....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton. 10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Va.....ton. 9.00 - —
Louisville, Ky.....ton. 14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D...ton. 12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal...ton. 16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
Lime, spray, paper bgs., f.o.b. Bellefonte, Pa...ton. 9.00 - —
Carey, Ohio.....ton. 11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton. 11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton. 11.00 - —
Scioto, Ohio.....ton. 10.00 - —
Woodville, Ohio.....ton. 11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dad., Neb., Kans., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50, dms.....gal. .11 - .16
Zone 3, tanks, dealers, dlvd., gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd. gal. .10½- —
dms.....gal. .12 - —
Zone 6, tanks, dealers...gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., Fla., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.75 - 5.20
Linalyl acetate, cns.....lb. 3.20 - 4.25
Linden flowers, with leaves, bla.lb. .45 - .50
without leaves, bls.....lb. .50 Nom.
Linseed cake, bgs., export....ton. 21.00 Nom.
meal, bgs.....ton. 23.00 - 23.50
Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0740- —
Other points.....lb. .0715- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
Colo., Mont., N. Mex., Wyo..lb. .08 - —
Other points.....lb. .07½- —
smaller lots, dlvd., Ala..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
Other points.....lb. .08 - —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Lithium, chloride, 25-lb. jars..lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05¼- —
smaller lots.....lb. .05½- —
bbls., c.l., (20 tons).....lb. .05½- —
smaller lots.....lb. .05¾- —
ordinary, bgs., c.l. (20 tons).lb. .0385- —
smaller lots.....lb. .0410- —
bbls., c.l. (20 tons).....lb. .0410- —
smaller lots.....lb. .0435- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort, leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .20 - .21
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N. E., tins.....lb. 1.63 - 1.70
Lycopodium, cs.....lb. 4.50 - 4.75

M

Mace, Banda, cs.....lb. .45½- .46
Batavia, cs.....lb. .23 - .23½
Siauw, cs.....lb. .30 - .31
West Indian, cs.....lb. .31 - .32
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¾- —
bbls.....lb. .07¼- —
kgs.....lb. .08¼- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08¼- —
kgs.....lb. .09¼- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07¼- —
kgs.....lb. .08¼- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09¼- —
USP, Zone 1, c.l., bgs.....lb. .06 - —
bbls.....lb. .06¼- —
kgs.....lb. .06¾- —
l.c.l., bgs.....lb. .06 - —
bbls.....lb. .06¼- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .06 - —
bbls.....lb. .06¼- —
kgs.....lb. .06¾- —
l.c.l., bgs.....lb. .06¾- —
bbls.....lb. .06¼- —
kgs.....lb. .10¾- —
Other points.....lb. .06 - —

Magnesia:—Zone 1—Mass., Conn., R. I. N.Y., N.J., Pa., D. of C., Del. and Md., c.l., shipments, frt., equald., with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, fr't alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .18 - —
flake, dom., bbls., wks., c.l., tons..ton. 32.00 - —
l.c.l., bbls., wks.....ton. 39.00 -42.00
Hydroxide, med., 200-lb. bbls., lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphate, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate, bbls., cns., c.l.....lb. .23 - —
1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salts).
Trisilicate, 1,000-lb. contracts, dms..lb. .40 - —
smaller lots, dms.....lb. .45 - —
cs., 500-lb. lots.....lb. .43 - —
100-lb. lots.....lb. .45 - —
5-lb. cns.....lb. .52 - —
Magnesite, cal., dom., bgs.....ton. 65.00 -70.00
Imports, bgs., duty paid...ton. 70.00 Nom.
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash...ton. 22.00 - 25.00
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 - .95
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton. 71.50 - —
5-15 tons, works.....ton. 73.50 - —
½-4 tons, works.....ton. 79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton. 74.00 - —
l.c.l., 5 tons, works....ton. 77.00 - —
smaller lots, works...ton. 82.00 - —
burlap bgs., c.l., works, ton. 71.75 - —
l.c.l., 5 tons, works..ton. 74.75 - —
smaller lots, works..ton. 79.75 - —
paper bgs., c.l., works..ton. 70.00 - —
l.c.l., 5 tons, works...ton. 73.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.80 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .03 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 5.2%, bbls...lb. .19 - —
Manganese, ore, Cuban, 51-52%, basis Atl. ports....unit-ton. .71 Nom.
Resinate, fused, 8½%, bbls..ton. .06¾- .06½
precip., dms.....lb. .12 - —
Sulphate, anhyd, ton lots, works..lb. .10¼- —
single bbls., works.....lb. .10¾- —
fertilizer, 65%, MnSo₄, bgs., c.l., dlvd., South...ton. 57.00 - —
l.c.l., bgs.....ton. 65.00 -75.00
Mangrove bark, bgs., shipt...ton. 34.00 - —
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.80 Nom.

Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs.....ton. 12.00 -14.00
Marjoram, French, No. 1.....lb. .58 - .59
Tunisan, bls.....lb. .33 Nom.
Chilean .....lb. .11 - .11⅛
Menthol, natural, Chinese, cs..lb. 3.90 - 4.00
Japanese, cs.....lb. 4.00 - 4.10
synthetic, USP, cs.....lb. 2.45 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.44 - —
25 lbs.....lb. 1.48 - —
50%, pails, 50 lbs.....lb. 3.00 - —
25 lbs.....lb. 3.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.06
powd.....lb. 4.05 - 4.10
Iodide, red, NF, 5-lb. bots...lb. 4.71 - —
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.70 - 4.75
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.59 - —
USP, fib. dms., 50 lbs. or more..lb. 2.15 - —
Mercury and chalk, 5-lb. ctns..lb. 1.98 - —
25-lb. fib. dms.....lb. 1.96 - 1.98
Mesityl oxide, cns., works.....lb. .20½ - —
dms., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½ - —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in....pkg. 1.70 - 1.80
gold, XX deep, 23K, 5½x5½ in. pkg. 15.25 -15.75
3⅜x3⅜ in.....pkg. 16.15 -17.50
4x4 in.....pkg. 19.50 -20.00
3⅜x5½ in.....pkg. 22.50 -23.00
3⅜x5½ in.....pkg. 24.50 -25.00
silver, 5½x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs.....lb. .65 - —
Metatolulenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group A, denat., grade tanks...gal. .45 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —
Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

group B, pure, tanks, frt. alld. Zone, 1..gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½ - —
dms., c.l., Zone 1.....gal. .35½ - —
Zone 2.....gal. .37½ - —
Zone 3.....gal. .39½ - —
Zone 4.....gal. .41½ - —

Methanol, natural, producer-group B, pure, dms., l.c.l., Zone 1..gal. .38 - —
Zone 2.....gal. .46½ - —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½ - —

group B, 95%, frt. alld., prices 2c. less than pure, all zones.

97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½ —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. alld..gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd. E. of Miss.. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd., E. of Miss. R..lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd., E. of Miss. R., lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .32 - —
dms., c.l., same basis...gal. .37½- —
l.c.l., same basis...gal. .40 - —

Methyl acetone prices on Pacific Coast are 5c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B producers, tanks, Zone 1.gal. .32 - —
Zone 2.....gal. .34 - —
Zone 3.....gal. .36 - —
Zone 4.....gal. .36½- —
dms., c.l., Zone 1.....gal. .37½- —
Zone 2.....gal. .39½- —
Zone 3.....gal. .41½- —
Zone 4.....gal. .43½- —
l.c.l., Zone 1.....gal. .40 - —
Zone 2.....gal. .47½- —
Zone 3.....gal. .44 - —
Zone 4.....gal. .55½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, synthetic, tanks, Zone 1..gal. .34 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .45½- —
dms., c.l., Zone 1.....gal. .36 - —
Zone 2.....gal. .44 - —
Zone 3.....gal. .48 - —
l.c.l., Zone 1.....gal. .37 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .48½- —

Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .38 - —
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers. lb. .33 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bis.....lb. 2.75 - 3.25
Formate, dms.....lb. .30 - —
Lactate, dms., l.c.l., dlvd....lb. .60 - —
Iodide, bots.....lb. 3.65 - 3.80
Salicylate, dms.....lb. .26 - .27
cns.....lb. .27 - .29
Molybdated violet toner, bbls.lb. .25 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms, c.l., works, lb. .47 - —
2,000 lbs. or more, works, lb. .50 - —
100 to 1,999 lbs., works.. lb. .55 - —
to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .18 - —

Methylcyclohexanol, 98-100%, dms., works..lb. .28 - —
Methylcyclohexanone, 98-100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.25 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - .07½
l.c.l., same terms.....lb. .07½- .08
tanks, same terms.....lb. .06 - .06½
Methylheptenone, bots.....lb. 2.45 - 2.60
Methylhexyl ketone, dms., tech., works..lb. .50 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.50
imp., bots.....lb. 3.10 - —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh., containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh., containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works..lb. .02 - —
500 lbs., works..lb. .02½- —
100 lbs., works..lb. .03 - —
refined, bgs., extra and returnable, c.l., works, ton.20.00 - —
l.c.l., 5,000 lbs. works, ton.30.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs. works, ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works...lb. .02½- —
500 lbs., works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs extra and returnable,c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E...lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —

Lecithin

(Vegetable)

Now available in either Soya Bean Oil or Cocoa Butter carrier for prompt delivery direct from factory.

For Export, packed in 100-lb. crated steel-strapped cans or 450-lb. open-head drums.

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TARTARIC ACID • CREAM OF TARTAR • ROCHELLE SALT
CITRIC ACID • SAPONIN • ACETIC ANHYDRIDE
ETHYLENE DIAMINE • SODIUM PERBORATE

NEUBERG CHEMICAL CORPORATION

441 LEXINGTON AVENUE, NEW YORK CITY • TELEPHONE MURRAY HILL 6-1990

Mica—Oil, Cinnamon

Mica, wet-grnd., paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¾- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅞- —
rubber, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04¾- —
Biotite, bgs., c.l., frt. alld. E..lb. .08½- —
l.c.l., ex whse. or frt. alld. E..lb. .04 - —
wet-ground mica prices are ½c. per pound higher west of Rockies.
powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls., c.l. lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
Millet seed, yellow, bgs.....lb. .0250- .0280
early fortune, bgs.....lb. .02¾- .02¾
hulled, bgs.....lb. .06½- .06¾
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .07 - —
f.o.b. Gulf ports.....gal. .06½- .06¾
Molybdate orange (see Orange molybdate).
Molybdenum metal kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., c.l., wks. lb. .52 - —
l.c.l., works.....lb. .55 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .20 - —
Monobutylamine, dms., c.l., wks. lb. .50 - —
l.c.l., works.....lb. .55 - —
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l. lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .26 - —
tanks .....lb. .28 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works. lb. .65 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., divd..lb. .65 - —
l.c.l., divd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz. 11.10 - —
cns., 25 ozs.....oz. 10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz. 10.75 - —
cns., 25 ozs.....oz. 10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.96 - —
cns., 25 ozs.....oz. 8.78 - —
Sulphate, bots., 5 ozs..... ..oz. 9.00 - —
cns., 25 ozs..... ...oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.-l. works..lb .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 2.00 Nom.
Musk, nat., Tonquin, grained, bots..oz. 24.00 -36.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.65 - —
5 lbs., to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, lb. .15¾- .16¾
yellow, bgs.....lb. .15½- .16
Chinese, yellow, bgs.....lb. .09½- .10
Danish, yellow.....lb. .23 - .24
Dutch, yellow, bgs.....lb. .21 - .22
English, yellow, bgs.....lb. No stocks
Montana, yellow, bgs.....lb. .11 - .11½
Roumanian, yellow.....lb. .15 - .15½
Myrobalans, J1, bgs., f.a.s....ton. 35.00 - —
J2, bgs., f.a.s.....ton. 26.00 - —
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works.....100 lbs. 2.25 - —
78 deg., tanks, works.100 lbs. 2.50 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis....lb. .07¼- —
Naphthalene, refid., balls or flakes, pkgs. (1⅛ oz.), same basis..lb. .07¼- —
(12 oz.), same basis..pkg. .06¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. allt..lb. .703 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton. 16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb .07 - —
Nitrocellulose, alcohol-soluble, ¼, and 40 sec. vis., bbls., works. lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35 eps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .23 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .20 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works, lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 12.15 - —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis., divd..unit-ton. 2.00 - —
f.o.b. Chemical, Ill., unit-ton. 2.00 - —
f.o.b. East Coast producing points..unit-ton. 2.20 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Aleppo, bgs., oz....lb. .21 - .29
Chinese .....lb. .16 - .17
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs..lb. .18 - .18½
110s, bgs., cs.....lb. .16 - .16½
small, grinding, bgs.....lb. .13½- .14
West Indian, bgs.....lb. .09 - .09½
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03⅝- —
tanks .....lb. .02½- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.2..... -gal. .10½- —
Octanol, normal, tech., 360-lb. dms., divd..lb. .35 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 8.00 Nom.
s.p.a., bots.....lb. 2.85 - 3.00
sweet, true, exp., cns.....lb. 1.15 - 1.20
Amber, crude, cns.....lb. .38 - .40
ref'd, cns.....lb. 1.20 - 1.25
Amyris, cns.....lb. 3.00 - 3.25
Angelica, seed, bots.....lb. 90.00 -100.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .90 - .95
Apricot, kernels, cns.....lb. .43 - .44
Bay, W. I., 50-55% phenols, cns..lb. 1.10 - 1.15
55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 2.50 - 3.50
natural coppers.....lb. 14.00 Nom.
Birch (see Oil, sweet birch).
Birchtar rectified, cns.....lb. 1.25 - 1.30
crude, cns.....lb. .48 - .50
Bois de rose, Brazil, cns.....lb. 1.95 - 2.00
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. .65 - .70
USP IX, cns.....lb. .75 - .80
Calamus, cns.....lb. 8.25 - 8.50
Camphor, sassafrassy, cns...lb. .25 - .26
dms. .....lb. .22 - .23
white, cns.....lb. .25 - .26
dms. .....lb. .22 - .23
Cananga, native, cns.....lb. No stocks
rectified, cns.....lb. No stocks
Capsicum (oleoresin), USP VIII, cns..lb. 3.50 - 3.75
Caraway, USP, cns.....lb. 7.00 Nom.
Cardamom, bots.....lb. 16.00 -18.00
Cassia, USP, cs., dms.....lb. 1.85 - 1.90
Castor, blown, one-way dms., c.l..lb. .11¾- —
l.c.l. .....lb. .12½- —
cold pressed, USP, bbls., c.l., lb. .10¼- —
l.c.l. .....lb. .11 - —
cns. (1-gal.), l.c.l.....lb. .14 - —
dms. (returnable), c.l..lb. .10 - —
l.c.l. .....lb. .10¾- —
(5-gal.), l.c.l.....lb. .13 - —
tanks .....lb. .09½- —
dehydrated, dms., c.l.....lb. .1320- —
l.c.l. .....lb. .1360- —
tanks .....lb. .12½- —
extracted No. 3, tech., bbls., c.l..lb. .09¾- —
l.c.l. .....lb. .10½- —
dms. (returnable), c.l....lb. .09½- —
l.c.l. .....lb. .10¾- —
tanks .....lb. .09 - —
sulphonated, 50% (45% fat), dms., c.l...lb. .06½- —
l.c.l. .....lb. .07½- —
75% (63% fat), dms., c.l...lb. .09¼- —
l.c.l. .....lb. .10¼- —
80% (68% fat), dms., c.l...lb. .09½- —
l.c.l. .....lb. .10½- —

Castor oil, USP, and No. 3, prices are divd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.

Cedarleaf, cs.....lb. .50 - .95
dms. .....lb. .85 - .90
Cedarwood, Southeast, cns..lb. .26 - .27
dms .....lb. .24 - .25
Celery, bots.....lb. 16.50 -17.00
Chaulmoogra, USP, cns.....lb. .72½- —
Chinawood, dms.....lb. .27½- —
tanks .....lb. .26½- —
Cinnamon, Ceylon, bots.....lb. 9.75 -37.00

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OIL OF LEMON U·S·P·

Outsells ALL OTHER BRANDS COMBINED 3 to 1

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U.S.I. ALCOHOL NEWS

February ★ A Monthly Review of Technical Developments for Chemists and Executives ★ 1941

CHEMICALS FOR SUNTAN PRODUCTS

Creams and lotions of the popular non-greasy type can be formulated with INDALONE and BK-5, which make possible a combination of sun-screening and insect-repellent properties.

U.S.I.'s INDALONE, BK-5 Ideal for Formulating Creams and Lotions

Superior creams and lotions, offering opportunities for building sales volume in the suntan market, can be formulated with the aid of two exclusive U.S.I. products, BK-5 (butyl cinnamoyl pyruvate) and INDALONE* (α.α-Dimethyl-α'-carbobutoxy-γ-dihydropyrone). INDALONE is the new trade mark of the solvent formerly sold under the name of "Dihydropyrone."

INDALONE is strikingly effective as an insect repellent, and furthermore can be used in combination with BK-5 for preparing products with both sun-screening and insect-repellent properties. When used in this way, INDALONE and BK-5 have the additional property of enhancing each other's sun-screening effectiveness.

BK-5, when dissolved in a slow evaporating, film-forming solvent such as INDALONE, is especially suitable for formulating the non-greasy type of suntan products that are demanded by many users. Because of its remarkable effectiveness as a light screen, BK-5 can be employed in extremely small proportions, conferring sun-screening powers without affecting the other physical properties of the cream or lotion.

U.S.I. will gladly give further information on INDALONE and BK-5.

**Registered Trade Mark*

ALCOHOL WIDELY USED IN ANTISEPTIC MOUTH WASHES

Mouth washes offer an extensive market for Specially Denatured Alcohol, which is used in relatively large proportions in many preparations of this type. U.S.I. produces S. D. Alcohol in 8 formulas authorized for use in mouth washes—and U.S.I.'s testing methods assure the high quality needed in alcohol used for this purpose.

TECHNICAL DEVELOPMENTS

For further information write U.S.I.

New deodorants are said to be available in types suitable for masking the odors of Lethane, fly spray, cleaning fluid, Stoddard solvent, and similar products. Small quantities are reported to be effective. **(No. 420a)**

Insecticidal principles of pyrethrum flowers can be quantitatively determined by a new method that is said to involve hydrogenation in acetone-ethyl alcohol solutions. **(No. 421a)**

A double cone blender is said to conserve time and materials in blending face powders, chemicals, pharmaceuticals, and other products. **(No. 422a)**

New cellophane cement can be adapted to varying requirements of drying time and elasticity, it is claimed. **(No. 423a)**

A new oil is reported to be suitable for use in deodorant sprays intended for removal of odors in theaters or other public places. It is said to be effective in destroying odors of tobacco and cooking. **(No. 424a)**

A new chemical is described as a raw material for manufacturing synthetic oakmoss. According to the maker, it may be used in all toilet preparations in the recommended proportions without danger of decomposition. **(No. 425a)**

Stabilizing agents for soap show much greater efficacy when they are introduced in the form of caustic soda solutions, according to a recent patent. It is claimed that this method is superior to introducing the stabilizers during milling. **(No. 426a)**

DRUG and CHEMICAL BANQUET WILL BE HELD ON MARCH 13

16th Annual Banquet of the Drug, Chemical, and Allied Trades Section of the New York Board of Trade will be held at the Waldorf-Astoria, New York, on March 13. A large attendance is expected.

LOCAL ANESTHETIC PURIFIED BY PERCOLATION WITH ETHER

Procaine hydrochloride, widely used local anesthetic, can be improved by washing with ether, it is claimed in a recent patent. According to the inventors, this treatment eliminates the tendency of procaine hydrochloride to stick to the surface of glass ampules.

The sticking, it is said, appears to be due to the presence in commercial procaine hydrochloride of an oily or resinous material, which is removed by washing with ether. While ether is said to give best results in the washing process, it is reported that other organic solvents, such as acetone, may be employed.

U.S.I. INDUSTRIAL CHEMICALS, INC.
60 EAST 42ND ST., NEW YORK (USI) BRANCHES IN ALL PRINCIPAL CITIES
INDUSTRIAL ALCOHOL IN ALL GRADES AND ALL FORMULAS

DENATURANTS ARE ACCURATELY PROPORTIONED AT U. S. I.

▲ S. D. Alcohol in the formulas for highly specialized applications is frequently proportioned in single-drum quantities.

▼ Weight of drums of S. D. Alcohol is carefully checked at U.S.I. Samples of alcohol are drawn for laboratory test and approval before the alcohol is released for shipment.

NO. 8 OF A SERIES ON THE CONTROL AND TESTING OF U.S.I. ALCOHOL

PURE ALCOHOL of the highest quality, carefully selected denaturants are accurately proportioned at U.S.I. to produce Specially Denatured Alcohol that exactly meets the requirements of the many formulas authorized for use in lotions, perfumes, dentifrices, and similar products. And accuracy of the proportioning is rechecked by rigid laboratory tests before the alcohol is released for shipment.

This constant testing at every step in the production process is U.S.I.'s assurance of the quality of its alcohol—*your* assurance of the properties you need to formulate products that will please your most exacting customers. Let U.S.I.'s long experience in alcohol manufacture work to your advantage—specify U.S.I. Alcohol when you buy.

U. S. INDUSTRIAL CHEMICALS, INC.

Oil, citronella, Ceylon, cns....lb. .40 - .41
dms. ....lb. .38 - .39
Java, cns, dms....lb. .37 - .39
Clove, makers, USP, cns....lb. 1.15 - 1.20
dms. ....lb. 1.10 - 1.15
Cocoanut, Manila, crude, tanks, lb. .06¾- —
edible, 76°, dms. (returnable), c.l..lb. .09 - —
l.c.l. ....lb. .09½- —
tanks ....lb. .07⅛ Nom.
Cod, Newf., bbls....gal. .65 Nom.
Codliver, med., USP., bbls..bbl.67.00 -70.00
Coriander, bots....lb.16.25 16.75
Corn, crude, tanks, wks....lb. .06¾ Nom.
ref'd, bbls....lb. .09⅛ Nom.
Cottonseed, cooking, bbls....lb. .08 - —
salad, bbls....lb. .08¼- —
Creosote (see C).
Croton, N. F., cns....lb. 2.50 - 2.75
Cubeb, USP, cns....lb. 3.00 - 3.25
Crude (see Petroleum, crude).
Cumin, bots. ....lb. 9.00 -10.00
Cypress, bots....lb. 5.25 - 5.50
Degras (see D).
Dill seed, bots....lb. 4.50 - 5.00
weed, bots....lb. 5.50 - 5.75
Dip (see Ld).
Erigeron, cns....lb. 2.20 - 2.30
Eucalyptus cns....lb. .65 - .67
dms. ....lb. .63 - .65
Fennel, sweet, cns....lb. 2.00 - 2.10
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb.14.25 Nom.
Bourbon, cns....lb.14.00 Nom.
Turkish (see Palmarosa).
Grapefruit, cns....lb. 1.60 - 1.65
Grapeseed, dom., dms....lb. .35 - .36
imported, dms....lb. .15 - .20
Ginger, dist., bots....lb. 4.10 - 4.25
Guaiac wood, concrete, bots..lb. 3.50 - 3.75
Haarlem, imp., bots....gross No prices
Halibut liver, ref., dms....gal.40.00 - —
Hemlock, cns....lb. .85 - .90
Juniper berry, USP XI, cns..lb. 9.00 Nom.
wood, tech., cns....lb. .50 - —
Juniper tar, USP XI, cns....lb. .39 - .40
Lard, common.. 1, bbls....lb. .08¼- —
2, bbls....lb. .08 - —
extra, bbls....lb. .08¾- —
1, bbls....lb. .06½- —
Winter, strained, bbls....lb. .06¾- —
prime, burning, bbls....lb. .09¼- —
prime, lned., bbls....lb. .09¼- —
Laurel, bots....lb. 5.00 Nom.
Lavandin, cns., 25 lbs....lb. 3.25 Nom.
Lavender flower, French, 50% ester, cns..lb. 8.25 Nom.
38-42% ester, cns....lb. 7.50 Nom.
35-38% ester, cns....lb. 5.50 Nom.
30-32% ester, cns....lb. 5.00 Nom.
garden, cns....lb. .55 - .70
spike, Spanish, tech., cns..lb. 1.40 - 1.60
dms. ....lb. 1.35 - 1.50
Lemon, Calif., cns....lb. 3.25 - —
Messina, coppers, cns....lb. 4.75 - 5.00
Terpeneless, Type 1....lb.10.50 -16.50
Type 2....lb. 8.35 -14.50
Lemongrass, native, cns., dms., lb. .80 - .85
Lime, dist., cns....lb. 5.25 - 5.50
expressed, cns....lb. 8.50 - 8.75
Terpeneless, Type 1....lb.67.50 -75.00
Type 2....lb.46.50 -50.00
Linaloe wood, cns....lb. 1.75 - 2.00
Linseed, raw, dms., c.l....lb. .0925- .0970
l.c.l., 10 to 69....lb. .0980- .1000
5 to 9....lb. .1010- —
less than 5....lb. .1060- —
tanks ....lb. .0880- .0900
Boiled linseed oil .004 cent over raw.
Lovage, extra fine, bots....lb.85.00 - —
Lubricating, at refinery, ex tax California, neutrals, pale, 166-600 vis., 2½-4, tanks, gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks, gal....gal. .07¼- .11⅛
Group 3, bright stocks, 100-210 D,0-25 pour, tanks, gal. .13½- .19
neutrals, 150-400 vis., 3-3½, 0-10 pour, tanks, gal. .08 - .12
200-280 vis., 3, 15-25 pour, tanks..gal. .08 - .10
Pennsylvania, bright stocks, 8 color, 140-160 vis., 10-25 pour, tanks..gal. .14 - .16½
cylinder oils, 600-630 flash, tanks..gal. .09½- .12
600-650 steam ref'd, tanks..gal. .08½- .11
neutrals, 70° F., 3 color, 150 vis., 0-25 pour, tanks..gal. .19 .22¼
200 vis., 0-25 pour, tanks..gal. .21 - .24¼
Mace, dist., cns., dms....lb. 2.35 - 2.40
Mandarin, superior, coppers..lb. 9.00 -10.00
Menhaden, crude, tanks, fut., Balto..gal. .35 Nom.
refd., alkali, dms....lb. .0980- —
kettle-bodied, dms....lb. .1080- —
light-pressed, dms....lb. .0900- —
tanks ....lb. .0800- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP., bots., cns..lb. 1.50 - 1.60
dist., natural, bots....lb. 9.50 -10.00
Neatsfoot, 20° cold test, bbls., lb. .15¼- —
extra, bbls....lb. .08¾- —
1, bbls....lb. .08½- —
prime, bbls....lb. .09 - —
pure, bbls....lb. .10¼- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots....lb. 200.00- 225.00
Nutmeg, dist., cns., dms....lb. 2.35 - 2.40
Oleo, 1, bbls....lb. .07⅞- —
2, bbls....lb. .07¼- —
Oiticica, dms....lb. .17 - .17½
Olibanum, bots....lb. 5.00 - 5.25
Olive, denat., dms....gal. 2.25 Nom.
edible, dms....gal. 3.25 Nom.
foots, dms....lb. .10¾ Nom.
sulphonated, 50% (45% fat), dms., c.l..lb. .09½- —
l.c.l. ....lb. .10½- —
75% (68% fat), dms., c.l..lb. .12½- —
l.c.l. ....lb. .13½- —
80% (68% fat), dms., c.l., lb. .127 - —
l.c.l. ....lb. .137 - —
Orange, sweet, dist., cs....lb. .90 - —
expressed, African, cns., dms., lb. 1.40 - 1.50
Calif., cns....lb. 2.25 - —
Florida, cns....lb. 1.35 - 1.50
Messina, USP, coppers....lb. 8.00 Nom.
West Indies, cns....lb. 2.25 - 2.50
terpeneless ....lb.42.00 -50.00
Origanum, cns....lb. 1.65 - 1.45
Palm, Niger, dms....lb. .04½ Nom.
shipment ....lb. .03¾ Nom.
softs, 12½%, bulk, shipt..lb. .02½ Nom.
Sumatra, shipt., bulk....lb. .02½ Nom.
Palmarosa, cns....lb. 3.00 Nom.

Oil, paraffin, 320° flash, 60-70 vis., tanks, G. S..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. S..gal. .05½- —
80-85 vis., bbls., extra, ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. S..gal. .05¾- —
Patchouli, bots., cns....lb. 4.75 - 5.25
Peanut, crude, dom., tanks..lb. .05⅝ Nom.
refd., edible, bbls....lb. .08⅛ Nom.
Pennyroyal, dom., cns....lb. 2.00 Nom.
import, cns....lb. 2.35 - 2.50
Peppermint, natural, cns., dms., lb. 3.75 - 4.00
redist., USP, cns., dms....lb. 4.00 - 4.25
Perilla, dms....lb. .18 - .18½
tanks ....lb. .17 - .17½
Petitgrain, Paraguay, cns....lb. 1.40 - 1.50
Pimento berry, cns....lb. 4.25 - 7.25
leaf, cns....lb. 2.50 - 2.75
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .50 - .55
steam-dist., dms....gal. .50 - —
tanks ....gal. .54 - —
Pineneedle, Siberian, cns....lb. 1.30 - 1.40
Putty, bbls., E. Segunde, Richmond, Cal..gal. .22½- —
contracts ....gal. .19½- —
Whiting, Ind....gal. .25 - —
dms., c.l., Boston, Providence, gal. .26 - —
l.c.l., same basis....gal. .27 - —
tanks, same basis....gal. .18 - —
Martinez, Cal....gal. .23 - —
Rapeseed, blown, dms....lb. .17¼- —
denat., bbls....gal. .56 Nom.

Oil, red, dist., or saponif., dms., dlvd..lb. .07¼- .08¼
tanks, dlvd....lb. .06¾- —
Rose, artif., bots....oz. 1.35 - 2.25
natural, coppers....oz. 5.50 -22.50
Rosemary, Spanish, cns....lb. .71 - .73
dms. ....lb. .63 - .64
Rosin, 1st rectfd., dms....gal. .40 - —
2d rectfd., dms....gal. .42 - —
3d rectfd., dms....gal. .46 - —
Rue, bots....lb. 5.25 - 6.00
Sage, cns....lb. 3.50 - 3.75
Sandalwood, E.I. USP, cns..lb. 4.90 - 5.25
Mysore, cns., case lots....lb. 5.50 - 5.75
Sardine, crude, fut., tanks, Pac. Cst..gal. .45 Nom.
refd., alkali, dms....lb. .0960- —
kettle-bodied, dms....lb. .1060- —
light-pressed, dms....lb. .0900- —
tanks ....lb. .0800- —
Sassafras, artif., cns....lb. .75 - —
dms. ....lb. .72 - —
natural, cns., dms....lb. 1.00 - 1.25
Savin, cns....lb. 6.75 - 7.00
Savory, cns....lb. 3.75 Nom.
Shark liver, crude, dms.... million vitamin units. .04 - .09
Sesame, crude, coast, tanks..lb. .07½ Nom.
Shingle stains, bbls., c.l., works, gal. .19 - —
l.c.l., works....gal. .20 - —
tanks, works....gal. .14 - —
Snakeroot, Canada, cns....lb. 9.50 -10.50
Soybean, dom., crude, dms...lb. .06¾- .07⅛
tanks ....lb. .05¾- —
refd., dms....lb. .07½- .08¼
tanks ....lb. .06¾- .06½
Spearmint, dms....lb. 2.75 - 3.00
Sperm, bleach, 38°, dms....lb. .1120- —
45°, dms....lb. .1050- —
natural, dms....lb. .1000- —
Spruce, cns., dms....lb. .80 - .85

Oil, Citronella—Oil, Wheat

Oil, sweet, birch, North, cns..lb. 2.25 - 2.65
South, cns....lb. 1.55 - 1.70
Tall, crude, dms., c.l., works, ton.40.00 - —
l.c.l., works....ton.45.00 -50.00
tanks, works....ton.30.00 - —
distilled, dms., c.l., dlvd..lb. .06½- .07
l.c.l., dlvd....lb. .06¾- .07¼
tanks, dlvd....lb. .06 - .06¼
refined, dms., c.l., works..lb. .04 - —
l.c.l., works....lb. .04½- —
tanks, works....lb. .03¾- —
Tallow, acidless, bbls....lb. .08¼- —
tanks ....lb. .07¾- —
Tansy, cns....lb. 4.25 - 4.50
Tar, pine, com'l, dms., c.l., dlvd. E. cities..gal. .26 - —
E. ports, c.l....gal. .25 - —
l.c.l. ....gal. .27 - —
tanks, dlvd. E. cities....gal. .29 - —
rectfd., USP, bbls., l.c.l., dlvd. E. ports..gal. .35 - —
Tar acid (see T).
Teaseed, crude, dms....lb. .17 Nom.
refined, dms....lb. .20 Nom.
Tea tree (see Oil, Ti tree).
Thyme, NF, red, dms....lb. 1.40 - 1.50
white, dms....lb. 1.70 - 1.80
Tung (see Oil, Chinawood).
Ti tree, cns....lb. 2.30 - 2.60
Turkey red (see caster, sulphonated).
Turpentine (see T).
Turtle, cns....gal. 7.00 - —
Vetiver, bots....lb. 5.25 - 9.50
Whale, ref., natural, dms..lb. .0910- —
winter, bleach, dms....lb. .0950- —
Wheat germ, cns., dms....gal.17.50 -25.00

DEVELOPING OUR *Domestic Source* OF RAW MATERIALS

IS AN *Important* PHASE OF OUR MANUFACTURING PROGRAM

The products immediately available will be of considerable interest to the perfumer. Here are just a few:

Cyclamal An Aldehyde of great strength, valuable in most floral compositions. For the finest perfumes as well as in soaps and cosmetics. Particularly valuable in odors of the type of Lily of the Valley and Lilac.

Citronal A fresh clean lemon odor of interest today because of the shortage of Oil of Bergamot and Oil of Lemon. Very stable and free from the objectionable by-odors found in Citral. Produces a lasting lemon odor in soaps and creams. Also of great interest in the manufacture of fine Eau de Colognes.

Floranol A single chemical with a fruity rose note. Mild, very persistent, harmonizes the other ingredients in a perfect composition. Soap fast. Often used in Tea Rose type soap odors. Will not discolor in creams or soaps.

Phenyl Acet Aldehyde Di Methyl Acetal Enjoying great popularity. Fine rose leaf note makes it very interesting in many floral compositions. Very lasting in soaps. Gives a pleasing lift to any odor.

Phenyl Ethyl Alcohol Extra Fine A special high grade for use in fine perfumes and cosmetics.

Ionone Complete and Ionone Methyl The basis of Violet odors.

Indol Now first produced in this country.

Para Cresol Methyl Ether In Oil Ylang Ylang Artificial.

Para Cresol Ethyl Ether In Oil Ylang Ylang Artificial.

Ethyl Phenyl Glycidate A Pineapple Base.

Ethyl Phenyl Methyl Glycidate A Strawberry Base.

Hydratropic Aldehyde A Hyacinth aroma.

Di Methyl Acetal of Hydratropic Aldehyde Softer and more delicate than Hydratropic Aldehyde.

Product GL-4C A non-toxic wetting agent and detergent with excellent foaming qualities for liquid dentifrices, soapless shampoos, brushless shaving creams, etc.

The above products together with our already extensive list of American made aromatics enable the perfumer to create perfumes for soaps and cosmetics secure in the knowledge that his supply of raw materials will not be interrupted and that he can maintain a high standard for his finished product.

Aromatics Division

GENERAL DRUG COMPANY

644 PACIFIC ST., BROOKLYN, N. Y.
TRANSPORTATION BLDG., LOS ANGELES, CAL.

9 S. CLINTON ST., CHICAGO
1019 ELLIOTT ST., W., WINDSOR, ONT.

Oil, White—Pulsatilla

Oil, white, mineral, dom., tech., 50-60 vis., dms...gal. .31 - .33
65-75 vis., dms.....gal. .33 - .40
80-90 vis., dms.....gal. .34 - .41
80-90 vis., dms.....gal. .36 - .43
U.S.P., 95-105 vis., dms.gal. .40½- .47½
125-135 vis., dms.....gal. .46 - .53
140-150 vis., dms.....gal. .49 - .55
175-185 vis., dms.....gal. .53½- .60½
200-210 vis., dms.....gal. .56½- .63½
320-330 vis., dms.....gal. .64 - .71
335-345 vis., dms.....gal. .65 - .72
Russian, 90-00 vis., dms.gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North. cns..lb. 4.35 - 5.00
South, cns.....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.70 - 2.80
Wormwood, cns.....lb. 4.50 - 4.75
Ylang-ylang, Bourb., bots., cns., lb. 7.00 Nom.
Manila, bots.....lb. 28.00 Nom.
Olivine, aggregate, c.l., mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bags, c.l., works..ton. 9.50 - —
ground, 325 mesh c.l., mines, ton. 20.00 - —
200 mesh, c.l., mines....ton. 17.00 - —
100 mesh, c.l., mines....ton. 15.00 - —
20 mesh to dust.....ton. 12.00 - —
Opium, gum, USP, 50-lb. lots, cns..lb. 11.50 - —
25-lb. lots, cns.....lb. 11.75 - —
5-lb. lots, cns.....lb. 12.00 - —
1-lb. lots, cns.....lb. 12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.
Orange, Lake, Persian, bbls....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .11¼- —
Colo., Mont., N. M., Wyo..lb. .11½- —
Other points.....lb. .11 - —
smaller lots, dlvd., Ala. etc..lb. .11¾- —
Ariz., etc.....lb. .12¼- —
Colo., Mont., N. M., Wyo..lb. .12 - —
Other points.....lb. .11¼- —
French, Tours, casks, ex dock, lb. .13½- —
kgs., ex dock.....lb. .14¼- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .45 - .60
Orange peel, bitter, bls.....lb. .09 - .19
sweet, bls.....lb. .11 - .13
Orris root, Florentine, bgs....lb. .80 Nom.
fingers, cs.....lb. 1.50 Nom.
powd., bbls., bxs.....lb. .65 Nom.
Verona, bls.....lb. .75 Nom.
powd., bgs., cns.....lb. .80 Nom.
Orthoamyiphenol, l.c.l., dms., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., same basis.....lb. .07 - —
100-lb. tins, same basis..lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobensene prices west of Rockies 1c. per lb. higher.
Orthonitroaniln, dms.....lb. .55 - —
Orthonitrochlorobensene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .50 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange extract, cryst., bbls. lb. .21 - —
liquid, 42°, bbls.....lb. .09 - —
51°, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-60 lbs.....lb. 3.65 - 4.00
Orthotoluene hydrochloride, dms.lb. .22 - —
Sulphonate, kgs.....lb. 2.00 - 2.05

P

Papain, powd., cs.....lb. 1.40 - 1.45
Paprika, Algerian, bgs.....lb. .33 - .34
Bulgarian, bgs.....lb. .29½- .30
Portugese, extra fancy, bgs., lb. .31 - .31½
medium, bgs.....lb. .27 - .28
Spanish, extra fancy, cs....lb. .38 - .39
medium, cs.....lb. .36 - .37
Parachlorophenol, dms.....lb. .82 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobensene, dms., c.l.lb. .11 - .13
l.c.l.....lb. .12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .0270- .0280
bbls., c.l., N.Y.....lb. .0270- .0280
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .0270- .0285
bbls., c.l., N.Y.....lb. .0270- .0285
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .0270- —
fully refd., bgs., 128-125 A.m.p., bgs., c.l..lb. .0570- —
126-130 A.m.p., bgs., or loose, c.l..lb. .0570- —
131-133 A.m.p., bgs., or loose, c.l..lb. .0595- —
133-135 A.m.p., bgs., or loose, c.l..lb. .0625- —
135-137 A.m.p., bgs., or loose, c.l..lb. .0650- —
138-140 A.m.p., bgs., or loose, c.l..lb. .0725- —
143-145 A.m.p., bgs., or loose, c.l..lb. .0820- —
151-153 A.m.p., bgs., or loose, c.l..lb. .15 Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower.
match, A.m.p. up to and incl. 116-112 bbls., c.l..lb. .03½- —
semi-refd., solid, 122-124 A.m.p., bgs..lb. .03 - —
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb. .23 - —
100 to 900 lbs. shipments, same basis..lb. .24 - —
Paraldehyde, tech., 99%, 55 and 110-gal. dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .11¼- —
5 and 10-gal. dms., works..lb. .15 - —
USP, cs., cbys.....lb. .37 - .45
Paranitrophenol, kgs.....lb. .35 - —
Paranisidine, dms.....lb. .75 - —
Paranitroaniln, kgs., works...lb. .45 - —
Paranitrochlorobensene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .35 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.lb. .23 - .25
l.c.l., same basis.....lb. .24 - .26
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .26 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works, lb. .20 - .25
Pentane, norm., 28-38°, dms., c.l

Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F., and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works.....lb. No prices
F and I, bbls., 3 or over, works..lb. No prices
less than 3, works.....lb. No prices
O, O—½, O—¾, and ½, bbls., 3 or over, works..lb. No prices
less than 3, works.....lb. No prices
Ital.-grd., bgs., c.l., ship., ex dock, N.Y..ton. No prices
l.c.l., 5-29 tons, ex whse.. ton. No prices
1,000-10,000 lbs., ex whse. ton. No prices
2 bgs. to 1,000 lbs., ex whse..ton. No prices
single bgs., ex whse..ton. No prices
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dm.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., divd..gal. 4.75 - 4.95
(30 to 1-, 3 grams pyrethins per 100 cc., dms., divd..gal. 7.20 - —
Pyrethrum flowers, coarse, grnd. (g.f.p.), 9% pyrethrins, frt. alld., bbls..lb. .23 - .25
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .25 - .26
Pyridin, denaturing, dms....gal. 1.71 - —
refd., 2°, dms.....lb. .48 - —
Pyrites Spanish, bulk, c.i.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis.....ton. 12.00 - —
No. 3, 200 mesh, c.l., mines..ton. 7.50 - —
325 mesh, same basis.....ton. 12.00 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .16 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works..lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works, lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04¼- —
tanks, works.....lb. .03¾- —
solid, 61%, bgs., c.l., ex dock, plus duty..lb. .04¾- —
clarified, 64%, bgs., c.l., same basis..lb. .05¼- —
Queen of the meadow leaves, bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 50°, bbls..lb. .08½- .09¼
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net), divd., N.Y..flask. 170.00 -172.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask. 250.00 - —
ex store.....flask. 252.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns..oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —
Subject to surcharge of 7c. per oz.; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz. 1.03 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .60 - —
Citrate, cns.....oz. .18 - —
Dihydrobromide, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns.....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydriodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .80 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbonate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Tartrate, cns.....oz. 1.03 - —
Valerate, cns.....oz. .99 - —
Quinine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .81 - —
Subject to surcharge of 7c. per oz.; see note under Quinine.

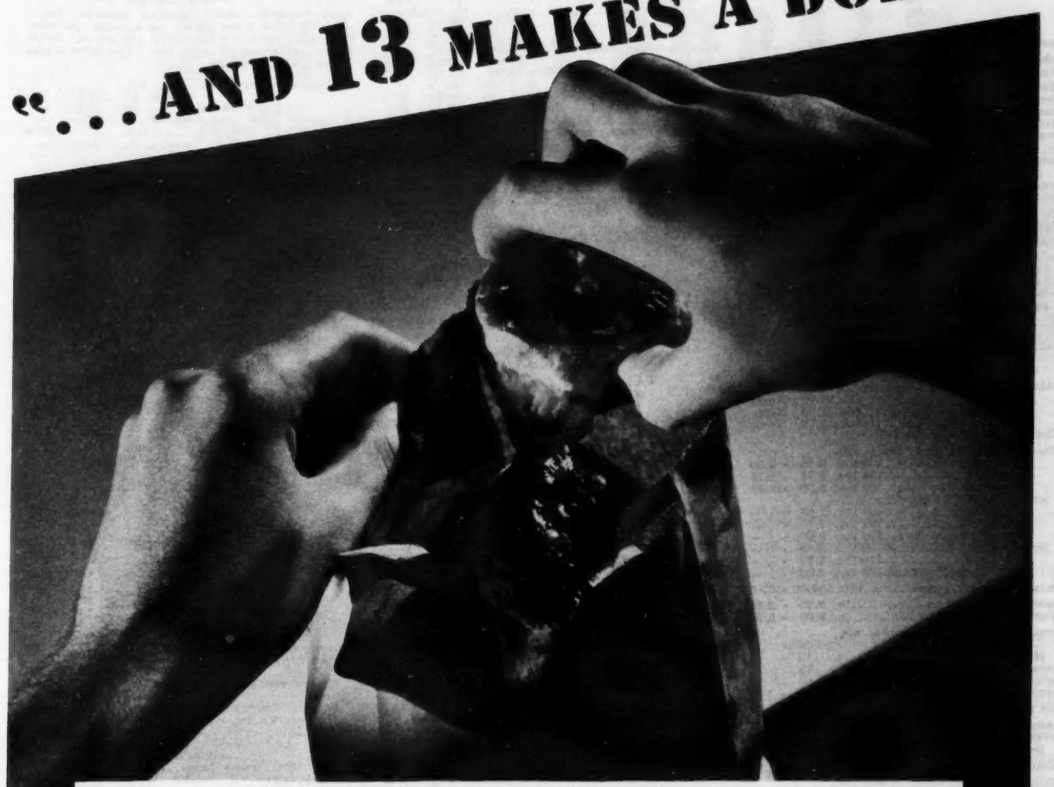
R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .53 - —
Rapeseed, Argentine, bgs.....lb. .06 - .06½
Dutch, bgs.....lb. No stocks
Indian, small, recleaned, bgs.lb. .06½- .07
medium, recleaned, bags...lb. .07½- .08
Japanese, bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .60 - .65
Red, alizarin lake, bbls., divd. N. of Tenn., and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher divd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. a/id..lb. .90 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .93 - —
smaller lots, same basis, lb. 1.00 - —
Red, cadmium, lithopone, light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
kgs., ton lots, same basis, lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
Selenide, bbls., light, works..lb. 2.20 - —
maroon, works.....lb. 2.70 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs.....lb. 4.60 - —
cns., 5 lbs.....lb. 4.75 - —
1 lb.....lb. 4.85 - —
Crocus martis (see Red, purple oxide).
Red, eosin toner, bbls.....lb. 1.25 - —
fire, toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25% kgs., same basis, alizarin lake, contracts..lb. .40 - —
Mercury oxide, tech., dom., bbls. lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .06½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .03¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —

Pumice—Red, Precip.

Red, Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, N.Y..lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y..lb. .04½- —
Toluidine toner, kgs., same basis, alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls.....lb. 3.12 3.17
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., fib., dms., 50 lbs. or more..lb. 3.06 - —

"... AND 13 MAKES A DOZEN"



THE man who gives 12 to a dozen is an honest man. The man who gives 13 to a dozen is a philosopher.

One is a matter of giving what is expected. The other is a philosophy of trying to give a little *more* than is expected.

Because Shell believes the philosophy of 13 to a dozen is sound business policy, it has established a staff of Naphtha Technicians. These men are available without charge to any paint manufacturer who wants expert help with his naphthas.

Each man is an experienced chemical engineer, who devotes all of his time and study to naphthas . . . and to nothing else. By virtue of his specialized training and experience, he is expertly informed on their uses and characteristics.

If you, in turn, are interested in giving a little more than is expected through better quality, why not have the Shell Naphtha Technician pay you a visit? Just call the nearest Shell Office.

SHELL NAPHTHAS

Red, Saunders—Squill, White

Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200 lb. dms., frt., alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
U.S.P., cryst, 100 lbs., dms., frt., alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .38 - .40
powd., bbls., kgs.....lb. .43 - .45
Riboflavin .....gram. 1.75 - 2.25
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .36½- —
smaller lots.....lb. .37 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .35½- —
smaller lots.....lb. .36 - —
Rose flowers, pale, bls.....lb. .42 - .45
red, bls.....lb. 5.00 Nom.
Rosemary, flowers, bls.....lb. .48 - .50
leaves, bls.....lb. .11 - .12
Rosin, gum B, bbls., ex dock..
100 lbs. 2.11 - —
D, bbls.....100 lbs. 2.20 - —
E, bbls.....100 lbs. 2.20 - —
F, bbls.....100 lbs. 2.19 - —
G, bbls.....100 lbs. 2.19 - —
H, bbls.....100 lbs. 2.19 - —
I, bbls.....100 lbs. 2.26 - —
K, bbls.....100 lbs. 2.45 - —
M, bbls.....100 lbs. 2.55 - —
N, bbls.....100 lbs. 2.66 - —
W. G., bbls.....100 lbs. 3.11 - —
W. W., bbls.....100 lbs. 3.31 - —
X, bbls.....100 lbs. 3.31 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines....ton.37.50 - —
import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .28
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb.23.00 -24.00
Safrol, ans.....lb. .90 - —
dms.....lb. .85 - —
Sage, Dalmatian, garden, bls..lb. 1.40 Nom.
stemless, bls.....lb. No stocks
ground, bls.....lb. 1.50 - 1.60
Greek, afloat, bls.....lb. .35 - .36
Spanish, bls.....lb. No stocks
Sago flour, bgs.....lb. .03½- .04
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7.00 - —
Salol, gran., bbls., 200 lbs....lb. .90 - —
bxs., 25 lbs.....lb. .95 - —
kgs., 100 lbs.....lb. .90 - —
powd., 5lb. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N.Y....ton.13.70 - —
l.c.l., bgs., dlvd., N.Y...ton.15.50 -16.10
vacuum, common, fine, bgs., c.l., dlvd., N.Y..ton.15.70 - —
l.c.l., dlvd., N.Y.....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works, ton.24.00 Nom.
bulk, works.....ton.17.00 Nom.
import, bulk, c.i.f.....ton.16.50 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls...100 lbs. 8.60 - 9.60
1-9 tons.....100 lbs. 8.75 - 9.75
less than ton lots..100 lbs. 9.00 -10.00
gran., bbls., 10-20 tons.....
100 lbs. 7.60 - —
1-9 tons.....100 lbs. 7.75 - —
less than ton lots..100 lbs. 8.00 - —
powd., bbls., 10-20 tons.100 lbs. 8.60 - —
1-9 tons.....100 lbs. 8.75 - —
less than ton lots..100 lbs. 9.00 - —
Santonin, cryst., cns.....kilo.150.00 -155.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 8.00 - 8.25
Sarsaparilla root, Honduras, bls., .28 - .30
Mexican, bls.....lb. .16 - .18
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bales.....lb. 1.50 - 1.60
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlits mixture, bbls., 5,000 lbs., 1 shipment..lb. .28½- —
smaller lots.....lb. .29 - —
kegs, 5,000 lbs., 1 shipm't..lb. .29 - —
smaller lots.....lb. .29½- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .90 - .95
Senna leaves, Alexandria, half leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½- .09
powd., bbls., bxs.....lb. .12 - .18
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. .60 - .65
Shellac, bleached, bonedry, bbls., .26 - .27
dlvd., Boston.....lb. .26½- .27½
Chicago .....lb. .26¾- .27¾
Pacific Coast.....lb. .29 - .30
rfd., bbls., f.o.b. N.Y....lb. .32 - .33
dlvd., Boston.....lb. .32½- .33½
Chicago .....lb. .32¾- .33¾
Pacific Coast.....lb. .35 - .36
Garnet, bgs.....lb. .21 - .22
D.C., V.S.O., or Diamond I, os..lb. .27 - .28
Superfine, bgs., f.o.b. Bost., N. Y..lb. .16½- .17½
dlvd., Chicago.....lb. .17 - .18
Pacific Coast.....lb. .20 - .21
T.N., bgs., f.o.b. Bost., N.Y. lb. .16 - .17
dlvd., Chicago.....lb. .16½- .17½
Pacific Coast.....lb. .19½- .20½
varnish, Metro, area, orange, 5-lb. cut, bbls..gal. 1.15 - 1.20
4½-lb. cut, bbls.....gal. 1.10 - 1.15
4-lb. cut, bbls.....gal. 1.05 - 1.10
white, 5-lb. cut, bbls.....gal. 1.25 - 1.30
4½-lb. cut, bbls.....gal. 1.20 - 1.25
4-lb. cut, bbls.....gal. 1.15 - 1.20
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph, dry-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.17.00 - —
l.c.l., 2½ tons, works, ton.18.00 - —
smaller lots, works, ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works.ton.25.00 - —
Silica, amorph., wet-grd., 95-97%, 400 mesh, bgs., c.l., works..ton.30.00 - —
l.c.l., 2½ tons, works, ton.35.00 - —
smaller lots, works.ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, wks.ton.21.50 - —
smaller lots, works.ton.23.00 - —
amorph., wet-grd., 99%, 325 mesh, bgs., c.l., works.ton.22.00 - —
l.c.l., 2½ tons, works, ton.23.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50- —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....os. .34¾- —
Govt. purchase, dom., metal, os. .7111- —
Govt. purchase, foreign metal, os. .35 - —
Cyanide, cns., 2,500 ozs.....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
90 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. .26¾- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra barks, bls.....lb. .30 - .35
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .13
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .20 - .21
Smalt, black, extra velvet, cnts., lb. .05 - .06
Blue, cnts.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .10 - .11
crushed, bls, bbls.....lb. .13 - .13½
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .17 - .18
powd., bbls.....lb. .16 - .17
Soda, acetate, anhyd., dms., dlvd. lb. .08½- .10
flake, gran., powd., 99% dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
90%, dms., c.l., dlvd.....lb. .06 - —
l.c.l., dlvd.....lb. .06½- —
Alginate, dms., bbls., works..lb. .39 - .70
Antimoniate, bbls., dlvd.....lb. .14 - .14½
Arsenate, dms., dealers, c.l., works..lb. .07½- —
l.c.l., dms., works.....lb. .08¾- .09¼
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06½- —
l.c.l., dms., works...lb. .07 - .07½
white, dms., c.l., dealers, works..lb. .07¾- —
l.c.l., dms., works.....lb. .08 - .08½
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.12 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works.....100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. — - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works..100 lbs. 1.35 - —
bbls., l.c.l., Zone 1..100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zne 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.
Soda, benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 5lb., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works.. 100 lbs. 1.95 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works, lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks., or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11½- .12
Soda, bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.50 - —
32 deg., bbls., c.l., works.. 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works.. 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.63 - —
44 deg., bbls., works..100 lbs. 1.85 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber dms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76%, powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.93½- —
sellers' tanks, works, 100 lbs. 1.98 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works, 100 lbs. 2.00 - —
solid, 76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .07 - .06¼
Chromate, spot, c.l., works..lb. .06¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .06¾- —
smaller quantities.....lb. .06¾- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .26 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .28½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms. lb. .14 - .15
imports, 90%, cs.....lb. No price
Diacetate, 85-85% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 cr over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
96%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 cr over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., works, frt. equal'd..100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l. works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works, 100 lbs. 3.10 - 3.35
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.40 - —
Iodide, jars.....lb. 2.42 - —
bots.....lb. 2.53 - 2.67
Mandelate, dms., 100-lb. dms.lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhydr., dms., c.l., works, frt. equald..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis.. 100 lbs. 4.80 - —
1-2 dms., same basis.. 100 lbs. 5.05 - —
gran., bbls., c.l., works...lb. 2.35 - —
10 bbls. and over, dlvd. N.Y..lb. 2.10 - —
1-9 bbls., dlvd. N.Y.....lb. 2.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing points or ports, rail or boat shipment..ton.29.40 - —
200-lb. bgs., same basis, ton.28.70 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 ton.. lb. .02½- —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons..100 lbs. 3.50 - —
1-9 tons.....100 lbs. 3.65 - —
Soda, nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized, lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .06 - —
l.c.l. .....lb. .06¾- .11½
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, anhy., dms., c.l., works, frt. equal'd..lb. 4.50 - —
15 dms. and over, same basis..lb. 5.45 - —
3-14 dms., same basis..lb. 5.60 - —
1- 2 dms., same basis..lb. 5.85 - —
flake, dms., c.l., works.. 100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs.....lb. .10 - .11
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs. bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.15 - 5.40
l.c.l., works.....100 lbs. 6.10 - 6.35
bbls., c.l., works...100 lbs. 5.35 - 5.60
l.c.l., works.....100 lbs. 6.30 - 6.55
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - 2.20
l.c.l., works.....100 lbs. 2.50 - 2.60
bbls., c.l., works...100 lbs. 2.30 - 2.40
l.c.l., works.....100 lbs. 2.70 - 2.80
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....10 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.25 - 2.35
l.c.l., works.....100 lbs. 2.65 - 2.75
bbls., c.l., works...100 lbs. 2.45 - 2.55
l.c.l., works.....100 lbs. 2.85 - 2.95
kegs, c.l., works...100 lbs. 2.95 - 3.05
l.c.l., works.....100 lbs. 3.35 - 3.45
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd..100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y....100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....lb. 1.10 - 1.30
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1 ..100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 2.00 - —
10 dms. or over, dlvd. N.Y.C., lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..lb. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .09¾- .11
Stannate, dms.....lb. .34½- .37½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs.3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, bbls., dms..lb. .27 - .31
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works....lb. .08 - —
tanks, works.....lb. .04½- —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks..gal. tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15½- —
smaller lots, works.....lb. .15¾- —
Soybean meal, 41-44%, bgs...ton.30.20 - —
protein, bgs., c.l., works.....lb. .11½- —
l.c.l., works.....lb. .11¾- .15
Sparteine sulphate, cns.....oz. 3.00 - 3.25
Spearmint leaves, bls.....lb. .30 - .31
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01½- —
tanks, works.....lb. .01⅜- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. 1.25 - 1.30
White, bls.....lb. No prices
powd., bbls., bxs.....lb. No prices

St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.90 - —
dlvd., N.Y.....100 lbs. 3.23 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 2.60 - —
dlvd., N.Y.....100 lbs. 3.35 - —
Potato, dom., bgs.....lb. .04½- .06½
import, bgs.....lb. No price
Rice, bbls.....lb. .07½- .08½
Sweetpotato, bgs.....lb. .06¼ Nom.
bbls.....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .06 - —
Starch, iodide, bots.....lb. 1.87 - —
Stavesacre, seed, bgs.....lb. .35 - .40
Stearin, oleo, bbls.....lb. .06¼- .06⅝
Stillingia root, bls.....lb. .07½- .08
Stonecroot, bls.....lb. .07½- .08
Storax, cs.....lb. .75 - .80
Stramonium leaves, bls.....lb. .45 - .50
Strontium bromide, cns.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 96-100%, precip., bbls., lb. .23 Nom.
Chloride, tech., bbls.....lb. .22 - .26
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Strolyl acetate, bots.....lb. 3.10 - 3.20
Strychnine, crystal., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose Octa-acetate, denat. grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 6.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
Flowers, USP, bgs., c.l., mine, 100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
bbls., c.l., mine.....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
Flour, comm'l., bgs., c.l., mine, 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls., c.l., mine.....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
bbls., c.l., mine.....100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mine..100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls., c.l., mine.....100 lbs. 2.10 - —
l.c.l., mine.....100 lbs. 2.65 - —
roll, bgs., c.l., mine....100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bbls., c.l., mine.....100 lbs. 2.30 - —
l.c.l., mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.85 - —
Sulphur, chloride, 55-gal. dms., c.l..lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l.....lb. .08 - —
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
Extract, 42°, bbls.....lb. .06 - .06½
51° bbls.....lb. .07 - .07½
stainless, bbls.....lb. .09 - .11
Berries, bgs., c.l.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06½- .07
medium, bgs.....lb. .06 - .06½
poultry, Argentine.....lb. .0465- .0495
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 3.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 3.00 - —
triple, 40-48%, a.p.a., bulk, fob. Balto..unit-ton. .68 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 98-94%, 325 mesh, bgs., c.l., mills..ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -18.00
96-98%, 325 mesh, c.l., mills, ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
98-99½%, 325 mesh., bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
96-99½%, 325 mesh, bgs., l.c.l., ton.17.25 -19.25
99.25-99.75%, 325 mesh., bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake, type grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Talc, Vermont, bgs., c.l., mills.. ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Imp., Canad., bgs., c.l., mills, ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse.....ton. No prices
2, bgs, ex dock, arrival..ton. No prices
Tallow, extra, loose.....lb. .03 - —
special, loose.....lb. .04¾- —
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾- —
l.c.l.....lb. .04¾- —
50% (43% fat), dms., c.l..lb. .05¼- —
l.c.l.....lb. .06¼- —
50% (43% fat), dms., c.l..lb. .05¾- —
l.c.l.....lb. .06¾- —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs.....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 2.30 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.40 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 2.30 & .10
high-grade, bulk, Chicago, unit-ton. 2.35 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, January shipments, unit-ton. 2.75 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .08 - .09
Tar acid oil, 15%, dms., c.l., works..gal. .23 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports.....gal. .26 - —
l.c.l.....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. 1.10 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more. lb. .42¾- —
less than 5.....lb. .43 - —
USP, powd, bbls.....lb. .48 - —
Terebene, cns.....lb. .75 - .85
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .26 - —
dms.....lb. .23 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms...lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .18 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.90 - 3.00
Sodiosalicylate, cns.....lb. 2.15 Nom.
dms.....lb. 1.95 Nom.
5-lb. bots.....lb. 2.51 - 2.80

St. Ignatius Beans—Titanium

Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .61 - .62
Spanish, bls.....lb. .11½- .13
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - 1.50
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Thiamine hydrochloride, cns.gram. .98 - 1.00
Timbo root (see Cube root).
Tin chloride (ous), anhyd.....lb. .40 - .49½
Crystals, bbls., kgs.....lb. .40 - .40½
Metal, Straits.....lb. .53¾- —
Oxide, bbls.....lb. .54 - .56
Tetrachloride, anhyd., bbls...lb. .27 - .27½
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .18½- —
l.c.l., 5 tons, single delivery. lb. .18¾- —
1,000-9,999 lbs.....lb. .14 - —
50-999 lbs.....lb. .14¼- —
under 50 lbs.....lb. .16½- —
bbls., c.l. (20 tons).....lb. .13¾- —
l.c.l., 5 tons, single delivery. lb. .14 - —
1,000-9,999 lbs.....lb. .14¼- —
50-999 lbs.....lb. .14½- —
non-chalking, bgs., c.l., (20 tons)..lb. .15½- —
l.c.l., 5 tons, single delivery. lb. .15¾- —
1,000-9,999 lbs.....lb. .16 - —
50-999 lbs.....lb. .16¼- —
under 50 lbs.....lb. .16½- —
bbls., c.l. (20 tons).....lb. .15¾- —

Have You Tried 2-NITROPROPANE in Your Products or Processes

AS A SOLVENT for many difficultly-soluble materials
AS AN EXTRACTANT in purification and recovery processes
AS A RAW MATERIAL for chemical synthesis

?

PROPERTIES

Molecular Weight: 89.094
Color: Water-white
Specific Gravity: 0.992 at 20°C./20°C.
Weight per U. S. Gallon: 8.3 lbs. at 68°F.
Boiling Point: 120°C. at 760 mm. of mercury
Solubility in Water: 1.7 cc. per 100 cc. of water at 20°C.
Flash Point: 23.9°C. (75°F.)
Vapor Pressure: 12.9 mm. of mercury at 20°C.
Odor: Mild
Melting Point: —93°C.

2-NITROPROPANE has been on the market for only a short time, but already many striking and profitable uses have been found for this new organic chemical.

It is a powerful solvent. For example, it can be used in preparing solutions of vinyl acetate-vinyl chloride co-polymers, vinyl acetal resins, cellulose acetate, and cellulose mixed esters. This characteristic is of interest not only to manufacturers of protective coatings but also to makers of specialties such as printing inks and adhesives.

It has low water solubility and possesses the unusual characteristic of maintaining a constant acidity of approximately pH 4.3 in saturated water solutions. With water it forms a constant boiling mixture containing about 73% of 2-Nitropropane.

As a raw material for chemical synthesis, it offers innumerable unexplored possibilities to the industrial chemist. A request on your letterhead will bring a sample and detailed information.

The sixteenth annual banquet of the Drug, Chemical and Allied Trades section of the New York Board of Trade will be held on Thursday evening, March 13, 1941, at the Waldorf-Astoria in New York City. Make your reservations now!

COMMERCIAL SOLVENTS Corporation
17 EAST 42nd STREET, NEW YORK, N. Y.
PLANTS: TERRE HAUTE, IND. • PEORIA, ILL. • AGNEW, CALIF. • HARVEY, LA. • WESTWEGO, LA.

Titanium—Wax, Ozokerite

Titanium, dioxide, non-chalking, l.c.l., 5 tons, single delivery..lb. .16 - —
1,000-9,999 lbs.....lb. .16½ - —
50-999 lbs.....lb. .16½ - —
chalk-resistant, bgs., c.l., (20 tons)..lb. .14 - —
l.c.l., 5 tons, single delivery..lb. .14½ - —
1,000-9,999 lbs.....lb. .14½ - —
50-999 lbs.....lb. .14¾ - —
under 50 lbs.....lb. .17 - —
bbls., c.l. (20 tons).....lb. .14¼ - —
l.c.l., 5 tons, single delivery..lb. .14½ - —
1,000-9,999 lbs.....lb. .14¾ - —
50-999 lbs.....lb. .15 - —
barium or magnesium base, bgs., c.l., (20 tons)..lb. .05½ - —
l.c.l.....lb. .05¾ - —
under 50 lbs.....lb. .06¼ - —
bbls., c.l. (20 tons).....lb. .05¾ - —
l.c.l.....lb. .06 - —
calcium base, bgs., c.l. (20 tons)..lb. .05¼ - —
l.c.l.....lb. .05¼ - —
under 50 lbs.....lb. .06¼ - —
bbls., c.l. (20 tons).....lb. .05½ - —
l.c.l.....lb. .05¾ - —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05¼ - —
l.c.l.....lb. .05¼ - —
under 50 pounds.....lb. .06¼ - —
bbls., c.l., (20 tons).....lb. .05¼ - —
l.c.l.....lb. .05¾ - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses.

Toluidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. .85 - .90
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable. gal. .33½ - —
tanks, E. of Omaha, frt. alld. gal. .28½ - —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½ - —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .70 - .85
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works. lb. .27 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, l.c.l., dms..... works..lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Phosphate, dms., l.c.l., divd..lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - —
l.c.l., same basis.....lb. .07½ - —
tanks.....lb. .06½ - —
Trichlorethylene, dms., c.l., works., frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½ - —
Zone 2, dms., c.l., works, frt. alld..lb. .08½ - —
l.c.l., same basis.....lb. .09 - —
Trichlorethylene, Zone 3, c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½ - —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½ - —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I. Ill., Mich., Minn., Wis., Del.; Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N .M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., divd..lb. .40½ - .51½
dms., c.l., divd.....lb. .34½ - —
tech., dms.....lb. .22 - —
500 lbs., dms.....lb. .22½ - —
less than 500 lbs.....lb. .25½ - .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Triethyl phosphate, dms., divd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., divd.....lb. .50 - —
Trimethylamine, dms., c.l., divd., lb. 1.00 - —
l.c.l., divd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .07¾ - .08
Madras, bgs.....lb. .07¼ - .07¾
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .44¼ - —
l.c.l., 10 ex dock.....gal. .46¼ - —
5 ex dock.....gal. .48¼ - —
wood, dest., dist., dms., c.l., divd. E. ports..gal. .35 - —
l.c.l.....gal. .36 - —
tanks, divd. E. cities.....gal. .30 - —
steam-dist., dms., c.l., divd.gal. .37 - —
l.c.l., divd.....gal. .40 - —
tanks, divd.....gal. .32 - —

U

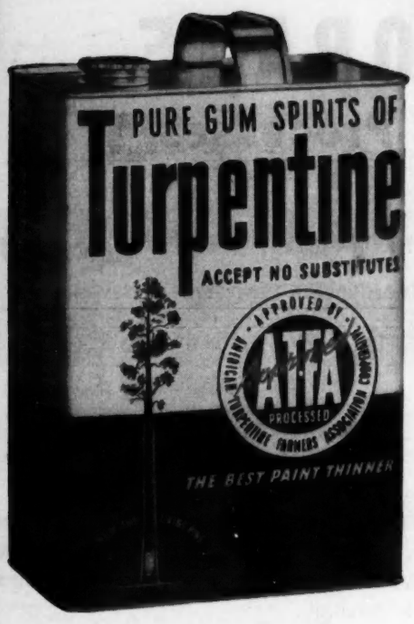
Unicorn root, false (see Helonias root). True (see Aletris root).
Uranium oxide, black, kgs.....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N. C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.85.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.85.00 - —
46%, bgs., smaller lots, f.o.b. Newark, New York, Philadelphia..ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.85.00 - —
import, 40% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports.ton.57.46 - —
bags, same basis....ton.59.46 - —
45% N., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports..ton.127.00 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. Nominal
Valonia, beards, bgs., f.a.s...ton. No price
cups, bgs., f.a.s.....ton. No price
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb.10.00 Nom.
Mexican, tins.....lb. 9.00 - 9.50
cuts, tins.....lb. 8.25 - 8.75
South American, tins.....lb. 9.00 Nom.
Tahiti, tins.....lb. 5.75 Nom.
Oleoresin, bots.....lb.No quotations
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs.....lb. 1.25 - 1.30
Verdigris, bbls., kgs.....lb. .22 - .28
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
tree.....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.38.50 - 40.50
Extract, solid, bgs.....lb. .04½ - .04¾
Wax, bayberry, import, bgs..lb. .19 - .20
Bees, white, bleach, slabs, cs., lb. .38 - .40
cake, cs.....lb. .39 - .41
discs, cs.....lb. .40 - .42
yellow, crude, Africa, 10-bg. lots..lb. .30 Nom.
1 bg.....lb. .30½ Nom.
Brazil, bgs., 5-ton lots.lb. .31 - .32
1 ton.....lb. .31½ - .32½
500 lbs.....lb. .32 - .33
100 lbs.....lb. .32½ - .33
refd., slabs, cs., lbs.....lb. .35 - .36
Candelilla, bgs., 1 ton.....lb. .19½ - .20
Jobbing lots.....lb. .20 - .20½
Carnauba, No. 3 chalky, bgs., 1 ton..lb. .55 - .55½
5 bgs.....lb. .55½ - .56
1 bg.....lb. .56 - .56½
N. C., 2, bgs., 1 ton.....lb. .62 - .63
N. C., 3, bgs., 1 ton.....lb. .58 - .58½
5 bgs.....lb. .58½ - .59
1 bg.....lb. .59 - .59½
refined, bgs.....lb. .63 - .64
yellow, No. 1, bgs, ton..lb. .68 - .69
5 bgs.....lb. .68½ - .69½
1 bg.....lb. .69 - .70
No. 2, bgs.....lb. .66 - .67
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11 - .11½
jobbing lots.....lb. .12 - .12½
150°-160° m.p., bgs., 1 ton..lb. .13 - .13½
jobbing lots.....lb. .14 - .14½
160° m.p., bgs., 1 ton.....lb. .14 - .14½
jobbing lots.....lb. .15 - .15½
Japan, cs.....lb. .16½ - .17
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices



Defending Defense...

DEPENDABLE CANNED GUM TURPENTINE

CONSTRUCTION is on a twenty-four hour basis . . . For national defense, for private industry . . . Builders are demanding paint and other materials that are *absolutely certain.* DEPENDABLE, "FOOL PROOF," UNIFORM GUM TURPENTINE, THE BEST PAINT THINNER, IS SAVING INVALUABLE TIME, CONTRIBUTING MATERIALLY TO THE NATIONAL BUILDING PROGRAM.

Good paint manufacturers have always preferred Pure Gum Turpentine . . . No time lost in expensive analyses to determine what Gum Turpentine will do. Its qualities are outstanding and sure: it is an excellent solvent, penetrates the surface, anchors the paint, dries properly and leaves a film, giving the paint a more durable finish. Gum Turpentine has special properties for absorbing oxygen and taking it to the oil, aiding in the oxidation of the paint film and prolonging the life of the paint.

Paint manufacturers with retail stores report a large increase in sales of GUM TURPENTINE, when sold in the "handy can" with the AT-FA Seal of Approval. They are benefiting greatly from the powerful PAINT NOW AND SAVE national advertising campaign of the American Turpentine Farmers Association Cooperative designed to sell *all* paint materials.

Speed and precision are the order of the day . . . THAT IS WHY GOOD PAINT MANUFACTURERS FORMULATE *with* PURE GUM TURPENTINE.

AMERICAN TURPENTINE FARMERS ASSOCIATION COOPERATIVE
General Offices, Valdosta, Georgia

Wax, ozokerite, snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —
Whiting, chalk, com'l, dry-grd., bip. bgs., c.l., works..ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., bip. bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, bip. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.19.00 -19.00
extra bolted, bip. bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -23.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.00
Paris white, bip. bgs., c.l., works. ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -26.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
limestone, air floated, 99.75%, 250 mesh, paper bags, c.l. ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
99%, 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works. ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
wet-grd., limestone, gilders, extra, bgs., c.l., works. ton.12.50 - —
l.c.l., 8-20 tons, works.ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works.ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y...ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock, ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. 1.00 - 1.10

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, dms., returnable, works, gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
8°, dms., returnable, works.gal. .48 - —
tanks, E. of Omaha, frt alld. gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.55
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .55 - —
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .55 - —
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works., frt. alld..lb. .50 - —
smaller lots, same basis..lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, bbls., works, lb. .75 - —
Yellow, chrome, CP, bbls., dlvd., No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .13½- —
open order.....lb. .14½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Yellow, hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05¾- —
yellow A, bbls., works....lb. .02¼- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans for import..lb. .02475 Nom.
New York (f.o.b.)..lb. .02½ Nom.
Philadelphia for import..lb. .02¾ Nom.
ex dock San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle....lb. .03¼ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis..lb. .03¼ Nom.
New York.....lb. .03 Nom.
Pittsburgh .....lb. .03¼ Nom.
Portland, Seattle....lb. .03¾ Nom.
San Pedro, S. Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock, lb. .02¾ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y. lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .16 - —
open order.....lb. .16 - —
Navy specification type, contracts..lb. .16 - —
open order.....lb. .16 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthoriza), bls..lb. .11 - .18
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, vis..oz. 3.00 - 3.50

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., dlvd., lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls..lb. .32½- —
25 lb. dms.....lb. .37½- —
kgs.....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
USP, 200-lb. dms.....lb. .26 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l., works..lb. .0290- —
l.c.l., works.....lb. .04 - .04½
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c.l., dlvd.....lb. .09¼- —
l.c.l., bbls., dlvd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Fluoride, bbls.....lb. .20 - .25
Meta (see daily quotations in Market report).
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
leaded, 5%, bgs., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
55%, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd...lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
green seal, bgs., c.l., dlvd., lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
Zinc, oxide, pigment, dom., French process green seal, ex whse., Pac. cst..lb. .06½- —
bbls., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
red seal, bgs., c.l., dlvd.lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
bbls., c.l., dlvd.....lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —
white seal, bgs., c.l., dlvd..lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
bbls., c.l., dlvd..lb. .09 - —
bbls., c.l., dlvd., except Pac. cts..lb. .09½- —
ex whse., Pac. cst..lb. .09¼- —
imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse..lb. No prices
white, seal, cks., ex whse..lb. No prices
USP, bbls., c.l.....lb. .09¾- —
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .22 - —
l.c.l., 1 ton.....lb. .25 - —
1,000-2,000 lbs.....lb. .24 - —
less than 1,000 lbs..lb. .25 - —
USP, bbls.....lb. .23 - .26
Sulphate, cryst., bgs., c.l... 100 lbs. 3.00 - —
l.c.l. .....100 lbs. 3.75 - —
bbls., c.l.....100 lbs. 3.15 - —
l.c.l. .....100 lbs. 3.90 - —
flake, bgs., c.l.....100 lbs. 3.35 - —
l.c.l. .....100 lbs. 4.10 - —
bbls., c.l.....100 lbs. 3.50 - —
l.c.l. .....100 lbs. 4.25 - —
powd., bgs., c.l.....100 lbs. 4.70 - —
l.c.l. .....100 lbs. 5.45 - —
bbls., c.l.....100 lbs. 4.95 - —
l.c.l. .....100 lbs. 5.60 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .07¾- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08 - —
bbls., c.l., 20 bbls., c.l. (20 tons), dlvd..lb. .08 - —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08¼- —

Wax, Ozokerite—Zirconium

Zinc, sulphide, barium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05½- —
calcium pigments, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05½- —
magnesium, pigment, bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05¾- —
Sulphocarbonate, NF, bbls., dms..lb. .24 - .30
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., except Pac. cst..lb. .05¾- —
ex whse., Pac. cst..lb. .05¾- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works..ton.75.00 -100.00
white, 95%, grd., kgs., works, lb. 1.80 - 2.00.

Synthetic Resins and other Branded Paint Materials (Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the February 3 issue; the next printing will be in the March 3 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 35.

Effective Ass'n Action Essential

—Continued from page 5

paid for by fee or by salary. Salaried attorneys and outside counsel are subject to the same motives and obligations, public and private, and to like public control. Either may be employed to perform legal services which are properly connected with the legitimate business of trade associations.

It is important to note that the giving of legal advice and the drafting of legal instruments, whether simple or complex, presupposes in the vast majority of instances the exercise of legal knowledge and skill, not merely in the preliminary processes, but also in the often far more important determination whether, in effecuating the desires and protecting the interests of the members or patrons of trade associations, any advice or instrument is necessary, and if so, what advice or instrument.

Consequently, there is a field of professional activity in the law, as also for example in medicine, which requires the expert assembling and study, in the light of professional knowledge, of material facts, and the pronouncing upon them, in view of professional principles, of what in law is broadly called an opinion and in medicine a diagnosis. The surgeon who has decided to operate, or the internist to treat, has first determined that there is disease and what it is and what the remedy is that should be employed. The lawyer who has decided to give advice on a course of action or to draft and utilize an instrument has first determined that there is a legal right or obligation involved and what the technic of conduct or draftsmanship must be to effectuate or enforce such rights or obligations.

Some authorities regard the receipt of consideration as a factor in determining whether the practice of law is being carried on by particular individuals or trade associations. Whether consideration is directly collected or allocated to the rendering of legal service is not controlling. A trade association cannot give away service any more than it can give away property. The cost to the trade association of the legal service said to be free in every case is necessarily somewhere charged to the cost of operation or general overhead. Even if the legal services performed by trade associations were actually free, however, that would not necessarily characterize the services as not constituting the practice of law. While the presence of consideration, either directly or indirectly, is strong evidence that legal services in a professional sense are being rendered, the absence of consideration is not necessarily the determinative factor in deciding whether or not an individual is engaging in the unauthorized practice of law while acting solely for an employer trade association. It is the character of the work performed that determines whether or not an individual is practicing law in such circumstances.

The giving of all kinds of legal advice and the drafting and execution of every type of legal instrument may be a necessary concomitant of many trade association activities. The performance of such essential services by attorneys for trade associations which employ their services cannot be considered unlawful. Such legal practice may fall within the prohibitions of the law as constituting unlawful practice of law by trade associations only when advice is given or documents are drawn with relation to private matters and other affairs in no manner connected with the immediate business of the trade associations carrying on such activities.

(To be continued)

New Solvents in Chemical Progress

—Continued from page 3

which is being used for the purification of carbon dioxide for conversion into both the liquid and the solid forms. The ethanolamines when combined with fatty acids yield organic soaps which find extensive use as emulsifying agents.

In the past twenty years the list of chlorinated hydrocarbons commercially available has grown considerably longer. In addition to carbon terachloride there are now available methyl, ethyl, isopropyl, and butyl chlorides, ethylene dichloride, trichloroethylene, and dichloroethyl ether. Methyl chloride is used in mechanical refrigeration, and trichloroethylene, owing to its lesser corrosiveness, has to some extent replaced carbon tetrachloride. Dichloroethyl ether is used as a selective solvent in an important process for the production of high-grade lubricating oils.

(To be continued)

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What Is This Commerce

Again the Supreme Court of the United States has contributed to the puzzlement of businessmen in their endeavor to find a guiding interpretation of the constitutional phrase, "commerce . . . among the several States," which will enable them to know whether their activities come within the purview of Federal laws regulative of such commerce. The highest court has added further to the necessity and desirability of a congressional definition of this commerce.

The latest contribution by the supreme court comes in two decisions handed down last Monday. The court itself was puzzled by the matters before it, and in both decisions the justices were divided in their opinions and conclusions. One decision prohibits the Federal Trade Commission from interfering with an intrastate commercial practice which in tendency or effect places more or less restriction upon competition by goods coming into the State via interstate commerce. The other decision upholds the right of a State to impose a use tax on goods coming directly to consumers from extrastate mail-order houses.

These two decisions seem to indicate a judicial belief that a State legislature may lay restraint upon "commerce . . . among the several States," and that no act of Congress may cross a State line in commerce ahead of goods similarly in transit. The court cannot mean that the commerce-clause power of Congress stops always at a State line; because, first, it could then have no area, except the District of Columbia, in which to operate; and, secondly, because the court has upheld congressional laws which go into a State to lay labor regulations and other restraints on goods destined for interstate commerce.

So it is constitutional for Congress to follow goods across State lines, but not to precede them, and in order to follow them Congress may tag them with a law before they start. This puzzlement must affect Congress, and State legislatures too. But, lawmakers delight in puzzles. Businessmen, who must pay the forfeits, should insist that Congress define "commerce . . . among the several States."

Concerning Oils and Fats

Although existing conditions and the outlook do not justify the apprehension now being publicized in that connection, industrial consumers of vegetable oils, both edible and inedible, will do well to order their affairs over the next few years with adequate consideration for the strong probability that supplies of imported oils will be still more disrupted than they have been. It must be realized that shipping facilities for the importation of Oriental oils are likely to be severely curtailed. This means that supplies of tung oil will be still further constricted and that it will also be necessary to find substitutes for perhaps the larger part of the coconut and palm oils now consumed.

Most of the talk of apprehension is at present unjustified. There is no such dependence on the Far East or Africa as a source of necessary oils as is popularly believed. But, there is some dependence in those directions and it could have serious results if commercial and technical readjustments to the adaptation of substitutes are not made.

Coconut and palm oils are big items in United States import trade. They have particular characteristics which give them inordinate importance as soapstocks. They cannot be replaced in this use by cottonseed oil or soybean oil nor by animal fats; for these do not provide the special fatty acids on which the usefulness of coconut and palm oils depends. But, cohune oil and babassu oil come close to being substitutes, and both of these are obtainable from Latin America. It is not too early to begin the development of this trade to larger proportions. Consumption of babassu oil, for example, is now but about 6 percent the volume of that of coconut and palm oils together; authentic figures on cohune (a palm) oil are not available.

Almost as much coconut oil is now produced in the United States as is imported —but the copra is not home-grown. The annual supply of coconut and palm oils is now but little larger than domestic production of soybean oil—but the latter offers but little promise in the direction of re-esterification to simulate the imported soap oils. Domestic production of cottonseed oil, of course, amounts to almost as much as the aggregate supplies of all other important vegetable oils. This domestic oil also falls far short of being a substitute for coconut or palm oil as a soapstock of particular properties. It is possible, however, that the technochemical progress of soapmaking will make the domestic oils equally satisfactory.

In comparison with 1938—chosen to avoid the influence of world warring—1940 imports of coconut oil were 1 percent larger; domestic production was about 20 percent larger, making the combined supply 10 percent larger. The supply, by importation, of palm oils was about 20 percent less. Considering the increase in general industrial activity over the two years, those figures indicate a substantial shift to the use of substitutes.

Many are most troubled by the increasing threat of still further diminution of imports of tung oil. Some commercial enterprise and a larger portion of technical readjustment—both of which apparently are practicable—will afford adequate relief from this anxiety. The search may lead into the fields of re-esterification or to the growing of flax; and it can turn up much of usefulness if directed, especially technically, toward oiticica oil.

In spite of enormously increasing consumption of oils and fats in this country, the outlook for supplies is not discouraging—and this is pinning no hope on synthesis of substitutes: there are oils to be had. Their use with satisfaction requires only a small part of what is technically possible in all oil-consuming fields.

—O-P-D—

Plastics Fill the Breaches

Somebody a few years ago quite happily designated the current era as the plastics age—the s might have been left off the qualifying term with a different but equally apt meaning. In the few months that have elapsed, even that visionary's enthusiasm has been outreached, and plastics have become all things to all men.

It is not strange then that the Office of Production Management has seen in plastics the possibility of conserving the whole supply of suitable metals for defense purposes, substituting for these in the fields of ordinary utility some one or other of the widely varying and practically unlimitedly utilizable plastics which applied chemistry has provided. At least one large producer of plastics has already placed its research and production facilities at the service of manufacturers of nondefense articles customarily made of metals which it is desired to conserve.

Plastics have gone far in the relatively few years since their number was confined to one cellulose derivative and one casein composition. Their derivation is so diversified that it is impossible to conceive of an economic condition which would restrict the aggregate supply. As long as organic chemistry functions productively; as long as weeds contain cellulose; as long as cows give milk—plastics can be made. And extensive as is their application today, it can confidently be foretold that they will continue to meet more and more needs of humanity until they have replaced everything else with the exception of food.

Columnists talk today about the impending prohibition of the use of aluminum in the making of culinary utensils. Some look hopefully to increased production of the metal. Others see potential substitution of a plastic. Certain heat-resistant thermosetting phenolic plastics, already in use as handles of pots and pans, have passed through fires undamaged. The resistance of these materials also to corrosion and to other action of acids and alkalies, together with their physical neutrality in respect of odor or taste, points to their suitability as material for the body of the cooking utensil. The probably necessary correction of faults of fragility should not present an insurmountable problem.

Progress is already being made in the substitution of an organic plastic for tin as the material of collapsible tubes. The potential saving of a necessary metal in this way would be worth while. Metal cases for any number of different small articles of daily use—flashlights, for example—can be made of plastics at least as satisfactorily as of metal. Plastics fully replace wood in many small articles. The plastics age is young. Its enterprises themselves are so plastic that they can be shaped to almost any purpose. And it is evident that they have also the will thus to adapt themselves.

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Color	Water-white	Water-white
Odor	None	None
Specific Gravity	1.135 at 23° C	1.046 at 25° C
Pounds per gallon	9.47	8.73
Evaporation rate (gms./sq. cm./hr. at 105° C)	0.000497	0.000049

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Heavy Chemicals

No Slackening in Business with General Market Tone Firm —Spurt in Tin Price Causes Sharp Advance in Derivatives —Export License Control Limits Potash Salt Shipments

Business underwent no slackening in the market for heavy chemicals last week. In many items a tight situation was impending, and some degree of caution in accepting all inquiries was evident. Regular contract commitments were taken care of with few exceptions. It was not uncommon to hear of delays in shipments. Nickel salts and chlorine were specific examples. License restrictions were playing a more dominant part in limiting activity in the outside market. Price movements were featured by a generally firmer tone in various tin derivatives.

The imposition of export license control on potash salts had a marked influence in restricting exports of potash carbonate, caustic, chlorate, and permanganate. Only a few licenses were obtainable and they were confined to the United Kingdom and Ireland. Canada was not subject to any specific licensing under the blanket system invoked a short time ago. Issuance of licenses for countries in the Far East and South America may be subject to delay or rejection.

A working arrangement for the operations of the priority system was announced by the Director of Priorities. The new plans are broad and are expected to facilitate handling of problems arising in connection with issuance and application of preferred ratings. It clarifies relations between the Army and Navy Munition Board and general industrial and civilian consumers. Actual imposition, however, would be withheld until shortages in connection with defense work is evident. The Munitions Board will determine ratings for critical list of military articles while the priorities divisions will administer field of civilian and commercial needs.

Alums.—Ammonia, potash and soda firm and inquiries steady. Offerings of potash chrome small with price nominal at 14c. per pound.

Alumina Sulphate. — Shipments moved well against contracts. Prices hold firm.

Ammonia, Anhydrous.—Market retained its firmness, while demand followed seasonal trend.

Ammonia, Aqua.—Market position tight, and shipments good to regular channels.

Ammonia Bicarbonate. — Regular consumers provided a steady interest. Prices unchanged and firm.

Ammonia Nitrate.—Inquiries continued active, with business confined to usual sources.

Ammonia Silicofluoride. — Offerings small, and prices firm.

Ammonia Sulphocyanide. — Prices held the same, purchases were moderate.

Ammoniac, Sal.—Withdrawals satisfactory, and prices remained firm.

Antimony. — Domestic spot metal held at 14c. Takings were not especially large.

Antimony Needle.—Chinese offered at 24c. to 26c. per pound. Market tight, demand light. No change in Bolivian.

Antimony Oxide.—Price tone about steady. Shipments routine.

Arsenic.—A fairly steady demand prevailed. Prices firm.

Barium Carbonate.—No change in the prices. Moderate inquiry.

Barium Chloride.—Prices unchanged and firm. Demand irregular.

Barium Hydrate. — Business spotty. A steady to firm price tone prevailed.

Barium Nitrate.—Inquiries steady. Prices unchanged and firm.

Bleaching Powder.—Shipments routine against contracts. Prices well sustained.

Calcium Chloride.—A good seasonal movement was underway. Prices retained their firmness.

Carbon Tetrachloride. — Shipments moved steadily against contracts. Prices firm.

Chlorine.—A good demand continued in evidence. Market position firm.

Cobalt Oxide.—Sellings continued limited to regular channels. Little activity in outside market because of export restrictions.

Copper. — Buying moderate, producers allocating business at 12c. Custom smelters quote 12½c. Export market quiet at 10½c. to 12c. per pound.

Copper Salts.—Business steady to usual channels. Prices firm.

Copper Sulphate.—A good volume of business was evident, and market was firm. December exports 3,581,746 pounds, valued at $145,545.

Copperas.—Little change in market position, with dealings routine.

Feldspar.—A steady inquiry was reported, and prices display firmness.

Fluorspar.—Demand steady. Prices unchanged and tone firm.

Glauber's Salt.—Market firm. Withdrawals moderately active.

Lead Acetate.—Business routine. No change occurred in the prices.

Lime.—A satisfactory volume moved to consuming channels to keep market in favorable position.

Magnesite.—Inquiries exceeded the available supplies. Prices firm.

Manganese Dioxide. — Shipments routine against contracts. No change in the prices.

Nickel Salts.—Market position tight, sellers behind in shipments. Prices firm.

Phosphorus.—Yellow moved fairly well; business in red continued restricted.

Price Changes

Advanced

Soda stannate, 1½c. per lb.
Tin, Straits, 3½c. per lb.
crystals, 1½c. per lb.
stannous chloride, anhy., 1½c. per lb.
tetrachloride, anhy., 2c. per lb.

Reduced

Antimony needle, Chinese, 2c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
158.2	158.2	158.2	153.8

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.6	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Purchasing Agents Ass'n, May 26-29, Chicago.

Potash Carbonate.—Demand good. Prices without change and firm.

Potash, Caustic.—A steady interest was manifest from most major consumers against contracts. Prices rule firm.

Potash Chlorate.—Domestic offering limited to regular channels. Some Japanese material arrived and prices in the outside market ranged from 46c. to 50c. per pound.

Potash Cyanide.—Usual consumers made fair size replacements. Prices unchanged.

Potash Permanganate.—Sellers concentrating on domestic business. Not much available for export.

Salt.—Business moved steadily, and market was firm.

Saltcake.—A steady to firm price tone was evident, with business keeping pace with production.

Saltpeter.—Dealings irregular, while prices held firm.

Soda Acetate. — Interest routine. Prices lacked change.

Soda Ash.—Shipments moved fairly well against contracts. Normal amount of export business. Prices unaltered.

Soda Bicarbonate.—Demand moderately active, and prices the same.

Soda Bisulphite.—A firm price tone characterized the trading. Business steady.

Soda, Caustic.—Withdrawals held at good levels in most directions. Prices underwent no change.

Soda Chlorate. — Domestic sellers limited business to usual sources. Little outside business passed at 12½c. to 14c. per pound.

Soda Cyanide.—Active demand. Prices retain a firm tone.

Soda Hydrosulphite. — Steady inquiry from regular consumers. Prices unchanged and firm.

Soda Nitrite. — Shipments steady. Prices lacked any change.

Soda Phosphate.—A firmer tone was evident, with some sellers advancing spot and new contract prices.

Soda Pyrophosphate.—Withdrawals held at favorable levels, and market was firm.

Soda Silicate.—A good volume of business reached the market. Prices unchanged and firm.

Soda Silicofluoride.—Spot offerings small, and demand exceeded available supplies. Prices nominal.

Soda Stannate. — Prices advanced 1½c. at 34½c. to 37½c. per pound, reflecting higher Straits metal market. Business steady.

Soda Sulphide.—A steady buying interest continued, and market was firm.

Sulphur, Refined.—A moderately active demand prevailed. Prices firm.

Tetrachlorethylene. — Market position firm, and buying steady.

Tin Salts.—Prices sharply higher. Tin crystals up 1½c. at 40c. to 40½c. per pound; anhydrous stannous chloride 1½c. higher at 49c. to 49½c. per pound and anhydrous tetrachloride of tin advanced 2c. at 27¾c. to 28c. per pound. Straits metal was 3⅛c. higher closing at 54⅛c. per pound.

Zinc Chloride.—Transactions steady against contracts. Prices firm.

Zinc Sulphate.—Sellers usually limited business to regular contract accounts. Prices remain the same.

Acids

Business moved steadily against contracts in the market for mineral acids last week. A generally firm price tone characterized the trading. Acetic shipments were steady, reflecting the activity in the rayon industry to a large extent. Chromic moved well to the plating trade. Formic was booked in satisfactory quantities. Muriatic and nitric were in a strong position. Oxalic offerings were limited. Phosphoric was firm. Sulphuric was taken steadily in practically all directions.

—Continued on page 30

Marshall Made Director Of Traffic for du Pont Co.

Robert W. Marshall has been appointed director of traffic department for E. I. du Pont de Nemours & Co., Wilmington. He fills a vacancy caused by the death of Thomas B. Baker. Since 1931 Mr. Marshall has been associated with the traffic department of the du Pont company. He previously held a similar post with the Roessler & Hasslacher Company before it was merged with du Pont.

Sulphur deposits in Iraq will be exploited by an American petroleum company

Purchasing Ass'n Hears So. Amer. Aid Scored

—Continued from page 4

the magnitude of the problems posed by the necessity of doing in a few months what Hitler did in seven years.

Fears of business men of a post-defense let-down were scouted by Prof. de Haas, who held that the need for reconstruction in vast areas in Europe will provide an outlet for all of the ingenuity of American production methods and for American materials and machinery.

At the afternoon session of the meeting five sales executives and five purchasing agents comprised a panel, which answered questions submitted by the audience. The questions dealt with relationship between salesmen and buyers. Salesmen were advised to go into their selling talks immediately and sufficient time for them to give a complete story would be granted by buyers. Agents expressed the belief that some salesmen handled their visual aids well, while others were pretty bad.

Among those comprising the panel were S. W. Mays, purchasing agent for the American Cyanamid Corporation and its subsidiaries; T. I. Savage, purchasing agent for the Murphy Varnish Company; H. A. Anderson, supervisor of purchases for Continental Can Company; Daniel J. Healy, Eastern division sales manager for Spencer Kellogg & Sons Sales Corporation, and Frank W. Lovejoy, sales executive for Socony-Vacuum Oil Company.

Mining Institute Told About Defense Projects

—Continued from page 5

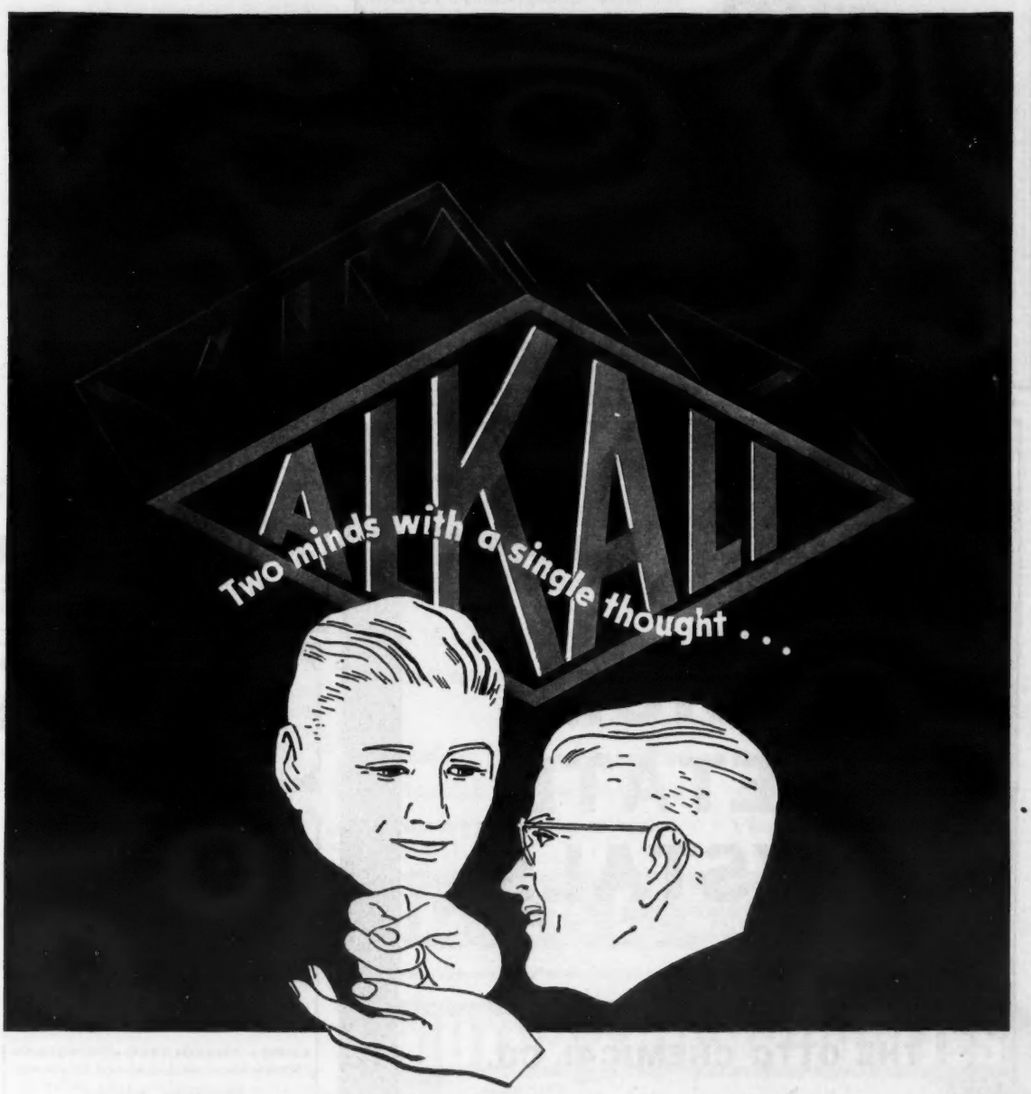
small amounts of hydrocarbons, by the addition of soluble starch or dextrin. The latter is particularly effective because of its low flocculating power.

Cinnabar, which usually is collected by xanthates, does not respond to xanthate when depresesd by hydrogen sulphide. It can then be activated by heavy metal ions and among these mercurioc ions are the most effective; they activate the mineral even in the presence of small amounts of cyanide. Cyanide can thus be used to depress aresnopyrite and make a good cinnabar-aresnopyrite separation. A cinnabar-pyrite separation could probably be effected in the same way. The addition of cyanide at the same time counteracts a peculiar tendency of the quicksilver-xanthate compound to embrittle the froth.

A paper presented by V. R. Garfias and R. V. Whetsel, of the Cities Service Oil Company, this city, stated that world production in 1939 of petroleum substitutes, of which about 97 percent are direct substitutes for motor fuel, is tentatively estimated at 108,000,000 barrels. The United States leads all countries in production of these products with about 53 percent of the total. According to the paper, petroleum substitutes are made from natural gas, coal, oil shales, alcohol and other miscellaneous products.

Other addresses included "The Role of Residual Fuel Oil in the Petroleum Industry," by W. B. Case, of the Shell Oil Company; "Mining and Preparation of Florida Hard-rock Phosphate," and "Nature of the Adsorption of Fatty Acids from Organic Solvents by Inorganic Lead Compounds," by Alexander Knoll.

Armour & Co., one of the very few producers of wet rendered animal tankage left in the San Francisco bay area, will henceforth run only on the dry rendered variety. A changeover in the plant is now being made. As a result, production of the wet rendered material in this area will be pratcically negligible, it is seen.



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Heavy Chemicals

Acids

—*Continued from page 29*

Acetic.—Shipments steady. A better price tone was evident.

Battery. — Business moderately active, and prices held the same.

Chromic.—Withdrawals good. Prices held firm.

Formic.—Bookings satisfactory, and a firm price tone prevailed.

Gallic.—Dealings were narrow. No change displayed in the prices.

Hydrofluoric.—Firm price tone, with business moderate.

Lactic.—A fairly steady inquiry for domestic and export. Prices without change.

Muriatic. — Business good. Prices unchanged and firm.

Naphthenic.—Market routine. Prices remain nominal.

Nitric. — Inquiries and shipments active. Prices firm.

Oxalic.—Selling remained limited. Prices unchanged and tone very firm.

Phosphoric. — Business confined to domestic channels. Prices firm.

Sulphuric.—Shipments moved steadily against contracts. Prices held at previous levels, and undertone was firm.

Baltimore, Feb. 19.—Trading in sulphuric acid is reported to be proceeding about as before, with the general tone of the market characterized by quiet, and with the nominal quotations still around $12 per ton for 60-degree and $15 per ton for 66-degree supplies. Oleum also is at a standstill, with $17 per ton mentioned as the price for 20 percent supplies.

Insecticides

A better inquiry was noted in the market for agricultural insecticides and fungicides from jobbing and dealers last week. Most factors were preparing for the coming consuming period, and most of the business represented restocking of inventories. No further price adjustments made their appearance. Indications were that zinc arsenite would remain firm.

Bordeaux Mixture.—Market followed a normal seasonal trend. Prices unchanged.

Calcium Arsenate.—No new price developments. Business showed signs of picking up from jobbing channels.

Lead Arsenate.—A steady to firm price tone prevailed. Some inquiries reached market from dealers.

Nicotine Sulphate.—Prices firm at recently established levels. Business light.

Zinc Arsenite. — Prices continued unchanged and firm. New business only fair.

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Dyestuffs, Textile and Leather Chemicals

Demand Irregular — Solid Wattle Bark Extract Advanced —Bichromate Exports Hold Up Well—Zinc Dust Firm —Tanning Material Imports Sharply Lower in 1940

Demand was irregular in the market for dyestuffs, textile and leather chemicals last week. Tanning and sizing materials moved fairly steady. Chemicals were spotty and dyestuffs lacked broadening. Shoe production held at relatively high levels; cotton mill activity was well sustained. Government buying was a factor in keeping woolen business at favorable levels. Prices were well maintained and the only adjustment occurred in solid wattle bark extract.

A good export movement continued to be a factor in keeping bichromate business at good levels, although domestic demand was considered satisfactory. Zinc dust was a firm feature. Turmeric held its tight position in view of future replacement uncertainty. Egg products remained unchanged with inquiries fairly steady. Corn derivatives were well booked, while starches moved steadily. Most tanning extracts were taken in good volume against contracts.

United States imports of all tanning substances during 1940 declined 27 percent from preceding year amounting to 238,212,631 pounds, valued at $6,588,024. Of the total 55 percent were tanning extracts and the balance raw materials, according to the Department of Commerce. Among the raw material imports, only gall nuts and wattle bark increased in volume. Sumac and quebracho decreased to less than one-third their 1939 volume, while valonia cups and beards amounted to only half their 1939 level.

Price Changes

Advanced

Wattle bark, ext., solid, ¼c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.2	153.2	154.0	145.0

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate.—No further price developments. Shipments were fairly steady against contracts.

Alumina Chloride.—Market position firm, and buying moderate.

Ammonia Acetate. — Transactions routine. Prices underwent no change.

Ammonia Bichromate.—Small quantities continued to make up the call. Prices rule firm.

Antimony Salts.—Prices underwent no alteration. Buying was light.

Chrome Acetate.—A firm price tone characterized the trading. Business was moderately active.

Potash Bichromate. — Shipments moved steadily in most directions. A satisfactory export inquiry was prevalent. Prices firm.

Potash Prussiate.—Prices hold the same. Shipments of yellow routine.

Soda Bichromate.—A steady buying interest prevailed. Export business held up well. Prices rule firm.

Soda Prussiate.—Shipments irregular. No change disclosed in the prices.

Zinc Dust.—Business restricted to regular channels. Prices firm.

Dyestuffs

Annatto.—Prices firm at recently established levels. Business lacked broadening.

Cochineal. — Business only fair. Prices ruled firm.

Fustic.—Buying spotty. Prices without change and tone firm.

Hypernic.—Developments of importance were absent, and trading was routine.

Indigo.—Not much business took place. Prices were firm.

Logwood.—Market a routine affair. Prices retained their firmness. December exports of extract 35,449 pounds, valued at $5,892.

Turmeric. — Market position firm. Sellers restricting offerings in view of replacement uncertainties.

Sizing Materials

Albumen, Blood.—Firm price tone. Buying held steady.

Albumen, Egg. — Domestic moved fairly well with prices well sustained. Offerings of imported small and prices nominal.

Corn Sugar.—Bookings moderately active. Prices remain the same.

Dextrin, Corn.—Inquiries and shipments steady. Prices steady to firm.

Egg Yolk.—A fairly good inquiry prevailed. Domestic and imported prices held at previous levels.

Sago Flour.—Business steady. Prices unchanged and firm.

Starch, Corn.—A consistent demand was in evidence, and prices lacked any change. Visible supplies of corn in the United States during week ended February 15 decreased 501,000 bushels.

Starch, Potato. — Domestic prices steady to firm. Business fairly steady.

Starch, Rice.—A firmer price tone prevailed. Business moderately active.

Starch, Wheat.—Prices firm. Buying from regular sources well maintained.

Tapioca Flour. — Demand steady. Prices unchanged and firm.

Tanning Materials

Chestnut Bark.—A steady movement against contracts, with prices firm.

Cutch. — Dealings routine. Prices underwent no change.

Divi Divi.—Fair inquiry. Prices remain the same.

Gambier. — Business spotty. Prices display firmness.

Hemlock Bark.—Fair size replacement buying. Prices without change.

Mangrove Bark.—Moderate inquiry. Prices unchanged.

Myrobalans.—Nothing new developed in the prices. Business irregular.

Oakbark. — Withdrawals steady against contracts. Prices rule firm.

Osage Orange.—Market a routine affair. Prices held the same.

Quebracho Extract. — Dealings steady. Prices unchanged and tone firm.

Spruce Extract.—Some irregularity reported in the demand. Prices without alteration.

Wattle Bark.—The solid extract was ¼c. higher, ranging from 4⅛c. to 4¼c. per pound. Business moderate.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Textile Chemists Plan Dinner-Dance Feb. 28

The New York section of the American Association of Textile Chemists and Colorists will hold a dinner-dance, February 28, in the Swiss Chalet, Rochelle Park, N. J. A feature of the affair will be a showing of the colored motion picture, "A Color Symphony of the West," taken during the past Summer by W. von Bergen, of the Forstmann Company on a tour of the western United States.

Reservations for the dinner, which starts at 6:30 p. m., may be obtained at the office of the section, 440 Fourth avenue, this city. The cost of reservations is $1.75 per person.

Metals Conservation Plea Asks Use of Plastics

—Continued from page 3

Edgar M. Queeny, president of the Monsanto Chemical Company, St. Louis, that plastics research engineers and chemists of Monsanto company have been placed at the disposal of executives of metal-consuming industries to assist in breaking the bottlenecks caused by shortages of various essential defense metals. Mr. Queeny's statement in part follows:—

In anticipation of growing shortages of essential metals because of necessary diversions into defense production, we are making available increased capacities in the manufacture of 'Lustron' and 'Resinox' plastics molding materials so that metal-consuming industries can substitute these materials and alleviate some of the pressure now developing in essential metals. There are ample supplies of plastics compounds or the raw materials from which they are made so that even abnormal demands can be satisfied quickly. Plastics can be successfully used to replace cast or stamped metals in a wide variety of large-scale uses.

Trade Briefs

W. E. Ranson has been elected president of MacAndrews & Forbes Company, Philadelphia.

Tanning specialty compounds exported by United States in December were valued at $61,475.

Textile specialty compounds exported in December from the United States were valued at $84,234.

Celanese Corporation of America plans an addition to its plant at Pearlsburg, Va., at a cost of approximately $500,000.

A. J. Maguire, of the American Viscose Corporation, this city, has been made chairman of the membership committee of the Rayon Yarns Credit Association.

Sonoco Products Company of Hartsville, S. C., has been granted the exclusive sales rights in the United States for "Koroseal" textile roll coverings, by the B. F. Goodrich Company, Akron, Ohio.

W. W. Knight, jr., formerly with the Michigan Alkali Company as assistant manager in charge of engineering, research, personnel, and accounting, has been named chief of the tank and combat vehicle unit in the Office of Production Management.

'Dianol D' Data Available

A new synthetic detergent, said also to possess excellent wetting, leveling, and penetrating powers, has been offered by Quaker Chemical Products Corporation under the name of "Dianol D." It is declared to be equally satisfactory for viscose, acetate, silk, woolen, and cotton fabrics. Information on the new item may be obtained by addressing the Quaker Chemical Products Corporation, Conshohocken, Pa., on business stationery, mentioning the REPORTER.

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PARALDEHYDE ACETALDOL
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•
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•
CHROMIC ACID
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CHECK BARRETT LIGHT OIL DISTILLATES on all these points

Short boiling ranges of desired temperatures permit quick completion of evaporation or drying processes and reduce loss of solvents in recovery operation. These are advantages which appeal to production engineers and chemists.

Comparative tests of Barrett Light Oil Distillates and other solvents reveal the desirable short boiling ranges, the even evaporation rates and the superior solvent power of these Barrett coal-tar solvents. They include Benzols, Toluols, Xylols, Solvent Naphtha and Hi-Flash Solvent with a wide range of initial and end points.

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BENZOL
TOLUOL
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TANK WAGON DELIVERIES

Within a radius of 50 or 60 miles of 13 important industrial cities, Barrett Benzols, Toluols, Solvent Naphtha and Xylols are delivered direct to customers in express tank trucks. Ask us about this time-saving, money-saving service.

Coaltar Chemicals

Buying Fairly Broad — Benzol Position Shows Improvement — Blanket License Facilitates Exports of Toluol to Canada —Increased Steel Capacity Expands By-Product Recovery

A fairly broad buying movement prevailed in the market for coaltar chemicals last week. The majority of basic products were well taken. Coaltar acids and intermediates moved steadily, while colors were in moderate demand. A high rate of by-product recovery seemed assured by the increasing capacity of the country's steel production. January figures broke all monthly records for actual production. Further expansion was contemplated by leading steel companies. Export business, while restricted, was heavy to certain countries. Prices underwent no change, while the general tone was firm.

A better tone was noted for benzol, this could be explained by improvement in the motor benzol market, combined with a heavy movement of industrial grades; export business was not a factor. Toluol was taken steadily by commercial channels; Canada supplied the principal export market, no license was required under the blanket system applicable to this country. Xylol retained its firm position. Tar acids, including cresols, cresylic acid, phenol and pyridin were well booked. Refined naphthalene started to move in a seasonal manner to jobbing channels; government bids for the flake made their appearance.

Further evidence of increased by-product capacity was manifest in a recent contract award by two leading steel companies for the construction of two complete batteries of coke ovens with by-product recovery equipment in the Pittsburgh and West Virginia areas. The new plants will recover tar, benzol, toluol, phenol and ammonia sulphate.

Price Changes

Advanced
None
Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.6	126.6	126.6	127.3

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Demand steady. Prices unchanged and tone steady to firm. December exports 49,256 gallons, valued at $8,997.

Carbazol.—Shipments moved in routine manner. Prices held the same.

Coaltar.—Movement moderately active against contracts. Prices displayed firmness. December exports, 71,987 gallons, valued at $5,490.

Creosote Oil.—Buying held at favorable levels to keep market position firm. December exports, 19,860 gallons, valued at $4,875.

Cresols.—Bookings steady against contracts. Prices unchanged and firm.

Cresylic Acid.—A good inquiry was prevalent, with shipments well sustained. Prices rule firm.

Naphthalene.—Crude moved steadily against contracts; refined demand noted from jobbing and wholesale channels. Prices firm.

Oil, Shingle Stain.—Fair interest. No new developments in the prices.

Phenol.—Withdrawals good in most directions. Prices underwent no change and tone steady to firm. December exports 260,819 pounds, valued at $34,350.

Pitch, Coaltar.—Transactions routine. Prices displayed a firm tone. December exports 303 tons, valued at $4,915.

Pyridin.—Business held steady. Prices unchanged and firm.

Tar Acid Oils.—Interest spotty. Prices held at previous levels.

Toluol.—Shipments steady against contracts to regular channels. Prices rule firm. December exports, 6,350,203 pounds, valued at $265,736, of which 5,162,771 pounds went to Canada, and 895,120 pounds to Sweden.

Xylol.—Market position firm and withdrawals moderately active. December exports, 26,766 pounds, valued at $2,296.

Chicago Coaltar Bases

Orders for coaltar bases are in good volume in the aggregate, with shipments steady. Benzol has been moving fairly well. Toluol and other items are attracting a fair amount of attention. Inquiries are fair. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8½c. to 9c., nearby refineries; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Hydrogenated Solvents

Cyclohexane.—Inquiries and shipments satisfactory. Prices rule unchanged.

Cyclohexanol.—Business moved moderately, and prices without change.

Methylcyclohexanone.—A better interest was discernible. Prices firm.

Coaltar Acids

Anthranilic.—Interest moderate. Prices unchanged.

Benzoic.—Market position firm, and shipments fairly steady.

Broenner's.—Replacement made for nearby needs as a rule.

Cleve's.—Transactions routine. Prices failed to change.

Fumaric.—Business moderately active, and prices display firmness.

Gamma.—Moderate demand. No change disclosed in the quotations.

H.—Market strictly routine. Prices rule firm.

Laurent's.—Trading spotty. Price-wise a firm tone prevailed.

Maleic.—A steady demand remained in evidence. Prices held firm.

Malic.—Withdrawals moderate from regular channels. Prices unaltered.

Picramic.—Prices unchanged and firm, with business irregular.

Picric.—Inquiries steady, and market retained its firmness.

Salicylic.—Technical moved steadily, and market was in firm position.

Succinic.—Consumers made their appearance consistently to keep market firm.

Sulphanilic.—Buying fairly steady. Prices lacked any change.

Tobias.—Business irregular. Prices remain the same.

Other Intermediates

Alphanaphthol.—Demand steady for moderate quantities. Prices firm.

Alphanapthylamine.—Business held at satisfactory levels with prices unaltered.

Anilin.—Major consumers made fair size replacements against contracts.

Anthraquinone.—Call from dyestuff trade held up well. Prices unchanged.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Benzaldehyde.—Market underwent no change, with shipments routine.

Benzidin Base.—Consumers made necessary replacements as a rule.

Betanaphthol.—Business moved at a moderate pace. Prices rule firm.

Betanaphthalmine.—Steady to firm price tone. Business steady.

Diethylanilin. — Transactions routine. Prices underwent no change.

Dimethylanilin.—A steady movement was evident and prices held firm.

Dinitrobenzene. — Market position firm and shipments steady.

Dinitrochlorobenzene.—Prices held the same and withdrawals were moderately active.

Dinitronaphthalene.—A good inquiry prevailed and market retained its firmness.

Dinitrophenol. — Dealings spotty. Pricewise a firm tone predominated.

Dinitrotoluene.—A firm price tone prevailed, with buying steady.

Diphenyl.—New business was not broad, but the tone remained firm.

G. Salt.—Market routine. Prices failed to change.

Metanitroparatoluidin. — Transactions conservative and fairly steady. Prices without change.

Metaphenylenediamine. — Usual consumers made necessary replacements.

Nitrobenzene.—Shipments steady. Prices unchanged and firm.

Nitronaphtalene.—Steady to firm price tone. Business moderately active.

Orthoanisidin.—The call was moderate and prices remain the same.

Orthochloroanilin. — Transactions steady. Prices rule firm.

Orthochlorophenol. — Purchases spotty. Prices failed to change.

Orthocresol.—Demand good and market position firm.

Orthodichlorobenzene. — Buying steady. Prices without change.

Orthonitroanilin.—Firm tone governed the transactions and shipments held up well.

—Continued on page 34

Obituaries

E. Warren Edwards

E. Warren Edwards, president of the Menhaden Fish Products Company, Baltimore, died February 17. He was fifty-three years of age. A native of Reedsville, Va., Mr. Edwards founded the Menhaden Products Company, which, in 1934, acquired control of the Baltimore Oil Company. He also had a financial interest in the Edwards Company, Reedsville. Surviving is his wife.

James R. Eller

James R. Eller, manager of the Fritzsche Brothers, Inc., branch in Cincinnati, died February 14. He was forty-nine years of age.

Mr. Eller was born in Athens, O., and in 1895 his parents moved to Columbus where he attended the public schools, graduating from the East High school.

His first position was with Pennsylvania railroad in which employment he continued until he joined the Fritzsche Brothers sales organization on May 1, 1925. After some years working out of the company's Columbus office, he assumed charge of the newly opened Cincinnati branch on April 1, 1939. Mr. Eller was a member of the Magnolia Lodge F. & A. M., the Hyde Country Club of Cincinnati, and the Indianola Presbyterian church of Columbus.

Surviving are his wife, Mrs. Lulu L. Eller; a son, Walter M., a grandson, William Reed Eller; a brother, Ralph; and his mother and stepfather, Mr. and Mrs. R. K. Dutcher, of Columbus.

Frederick A. Hellebush

Frederick A. Hellebush, who retired thirteen years ago from active direction of the Blackburn Varnish Company, Cincinnati, died at his home in that city February 13. He was sixty-nine years of age. Mr. Hellebush was president of the Blackburn company until 1937, when he sold the business to the Cook Paint & Varnish Company, Kansas City, Mo. Since that time he had been retired from active business. He was a member of the Hyde Park Country Club. His wife and a son survive.

James P. Roney

James P. Roney, retired general manager of the marine department of the Texas Company, died in a hospital in this city February 20. Mr. Roney, former chairman of the Atlantic division of the marine section of the National Safety Council, was affiliated with the Texas Company for thirty-one years before his retirement in 1939.

Dr. F. E. Stewart

Dr. Francis Edward Stewart, honorary president of the American Pharmaceutical Association and one of the organizers of the American Medical Association's council on pharmacy and chemistry, died in Philadelphia February 20. He was eighty-seven years of age.

Dr. Stewart was born in Albion, N. Y., September 13, 1853, and was graduated from the Philadelphia College of Pharmacy in 1876, and immediately took up the study of medicine, graduating at Jefferson Medical College in 1879. He later took post-graduate work at the University of Pennsylvania.

He practiced medicine for a time, and in 1894 he organized a scientific department for Frederick Stearns & Co., Detroit, Mich., and in 1898 he became chairman of the medical board of Merck & Co. and editor of Merck's *Archives*. He later became scientific director of the H. K. Mulford Company, Philadelphia.

Surviving are two daughters.

Rufus K. Storm

Rufus K. Storm, former credit manager for the General Chemical Company, this city, died in his home in Englewood, N. J., February 19. He was seventy-two years of age. Mr. Storm had been affiliated with General Chemical for thirty years before resigning thirteen years ago to enter the insurance business. Surviving are his son and three grandchildren.

Mrs. Carrie Brockington, wife of George A. Brockington, secretary of the American Smelting & Refining Company, this city, died in her home in Long Island February 15. She was fifty-five years of age.

Warren E. Burns, president of the Burns Florida Corporation, manufacturer of citrous products, Chicago, died in Tampa, Fla., February 7.

Albert C. Doane, former president of A. C. Doane and C. R. Doane, seidlitz powder manufacturers, Brooklyn, died February 17 at Rockville Center, L. I. He was sixty-two years of age.

Albert Ehlers, president of Albert Ehlers, Inc., spice merchant, Brooklyn, died February 12. He was sixty-eight years of age. Practically all his life was spent in the spice business, his service having begun when he was 16 years old. Surviving are his wife, Mrs. Katie Ehlers, his sons Albert, jr. and Edwin, and his daughter, Mrs. Doris Thoet.

Dr. Arthur E. Haas, professor of physics at Notre Dame University, died in Chicago February 20. He was fifty-seven years of age.

George L. King, who retired five years ago as superintendent of the South Penn Oil Company, died February 17 at Cameron, W. Va. He was seventy-eight years old.

Ralph R. Zane, representative in the territory from Denver to Shanghai of Eli Lilly & Co., pharmaceutical manufacturer, Indianapolis, died February 10 in Los Angeles. He was at one time an executive of the Sun Drug Company, Los Angeles, and was the organizer of the Allied Drug Travelers of California and its first president.

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PHENOL—All standard grades such as 82% and 90% and 39° Melting Point Pure.

CRESOL—U.S.P. with very close cut distillation range and light color, for pharmaceutical purposes—Meta-Para Cresol with high meta cresol content—Resin cresols close cut to wide boiling with guaranteed meta cresol contents and clean odor.

CRESYLIC ACID—Many distillation ranges appropriate for all established uses—pale color—clean odor—total impurities besides water not exceeding one half of one per cent.

TAR ACID OILS—Frozen crystal free at 0°C.—good emulsion-forming properties—low benzophenol content—appropriate for low to high coefficiencies with tar acid contents as required.

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Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (Including High Flash) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Sulphur Recovery Apparatus . . . Phenol Removal Apparatus . . . By-Product Recovery Apparatus . . . Fast's Self-aligning Couplings . . . Piston Rings . . . Valves . . . Pressure-treated Lumber

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SYNTHETIC RESINS
ANTISEPTICS
DRUGS
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PHOTOGRAPHIC DEVELOPERS
SOAP
RUBBER RECLAIMING AGENTS
LACQUER
ANTI-OXIDANTS
OIL PURIFICATION
ANIMAL DIPS
INEXPENSIVE DISINFECTANTS
FLOTATION PROCESSES
INSECTICIDES

TAR ACIDS
Phenol • Cresol
Cresylic Acid

TAR ACID OILS

Coaltar Chemicals

Other Intermediates

—*Continued from page 33*

Orthonitroparachlorphenol. — Business routine. Prices unchanged.

Orthonitrotoluene.—Steady inquiry, and prices remain firm.

Orthophenetidin.—Moderate buying. Quotations underwent no change.

Orthotoluidin.—Withdrawals fairly steady and market ruled firm.

Parachlorophenol.—Moderate interest. Prices displayed no change.

Paranisidin.—Buying held close to production needs. Prices unchanged.

Paranitroanilin. — Consumers made routine commitments against contracts as a rule. Prices unchanged.

Paranitrophenol. — Takings moderate. Prices failed to change.

Paranitrotoluene.—Firm price tone. Business held steady.

Paratoluidin. — Inquiries reached market in satisfactory volume, and tone was firm.

Phthalic Anhydride.—A good volume of business remained in evidence. Prices held the same, and tone was firm.

R. Salt.—Dealings routine. Prices unchanged.

Schaeffer's Salt.—Usual consumers made their appearance for nearby needs.

Thiocarbanilide. — Takings moderate against contract. Prices rule unchanged.

Toluidin, Mixed.—Steady inquiry. Prices lacked any change.

Xylidin, Mixed. — Prices held unchanged and tone firm. Buying moderate.

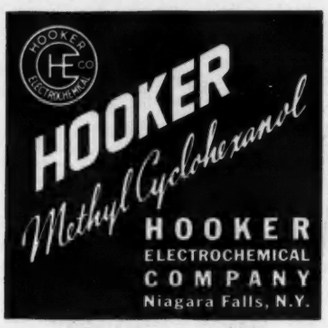
Coaltar Colors

With operations in several important consuming industrials running high business in the market for coaltar colors held steady. Buying was held to moderate levels, however, in the majority of instances. The textile industry received most of its additional support from government buying, while the production of shoes held at high levels, reflecting an improved inventory position in retail channels. Export inquiries were moderate. Prices lacked any new developments, and tone was steady to firm.

December exports of coaltar colors, dyes and stains amounted to 1,667,461 pounds, valued at $1,275,298. British India continued one of the largest importers of American dyes taking 682,160 pounds; Canada was next with a total of 328,915 pounds while Mexico received 131,139 pounds. Shipments to the United Kingdom amounted to only 83,760 pounds. Buying from South American countries during December was only moderate.

Five colors for use in Fall men's felt hats were released by the Textile Color Card Association. The five colors were:—Cadet Gray; Brownstone, a slate shade of brownish cast; Meadow Haze, a covert version; Colony Blue of grayish cast and Pan-American Brown, a medium neutral tone.

Water Softeners exported by the United States in December were valued at $17,003.



Monessen Co., Weirton Co. To Lift By-Product Output

Pittsburgh, Feb. 18, 1941

Koppers Company has received contracts for the construction of two complete batteries of coke ovens, with by-product recovery equipment. The ovens are to be built for the Monessen Coke & Chemical Company and for the Weirton Steel Company.

In addition to the ovens and the coal and coke handling equipment, the contract with the Monessen Coke & Chemical Company covers the construction of a new plant for the recovery of tar, benzol, toluol, phenol and sulphate of ammonia.

The contract for the Weirton Steel Company covers the construction of an additional battery of ovens and construction of a by-product plant which will handle the throughput of the entire plant, together with the recovery of benzol, ammonia and tar.

Crude Naphthalene Subject Of Koppers Co. Leaflet

Crude naphthalene and its uses in the manufacture of refined naphthalene, dyes, resins for plastics, and insecticides, are described in the leaflet, "Koppers Crude Naphthalene" published by Koppers Company, tar and chemical division, Pittsburgh. Copies of the leaflet may be obtained by writing the company and mentioning the REPORTER.

Pacific Can to Build Plant in San Leandro, Calif.

Pacific Can Company stockholders have approved ratification of the outstanding stock of the Richmond Sanitary Company, of which E. F. Euphrat, president of the Pacific Can, is 67 percent owner. Construction of a factory building at San Leandro, Cal., as first unit of a complete can manufacturing plant, is planned.

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What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Three-hundred-sixty-sixth Instalment

Petroleum Asphalt

Fillers for Petroleum Asphalt

(Continued from February 17 issue)

Marble dust
Marl
Mica fines
Mineral wool
Peat, ground
Portland cement
Pumicite
Ramie
Rottenstone
Sand
Sandstone
Seashells, ground
Seawater mud
Shale, ground
Silica
Sillimanite
Sisal
Slag, ground
Slag wool
Slate, ground
Soapstone
Straw
Sugar refinery refuse
Talc
Tanbark, spent, ground
Whiting
Wood flour
Wood shavings
Wood, shredded
Wood wool
Zinc carbonate

Solvents for Petroleum Asphalt

Carbon bisulphide
Carbon tetrachloride
Coaltar distillates
Resinous wood oils
Petroleum distillates
Turpentine

Phenol

Dispersing Agents for Emulsifying or Colloidally Suspending Phenol

Abietine sulphates
Abietinesulphonic acid
Acacia
Acenaphthene
Acenaphthenedisulphonic acid
Acenaphthylenesulphonic acid
Acetonaphthenedisulphonic acid
Acetanapthenesulphonic acid
Acid esters of fatty alcohols
Acimul
Acorn starch
Agar
Albumens
Albuminous substance
Alkali sludge sulphonates
Alkanol
Alkyl ricinoleates
Alkylanilides
Alkylated aromatic culphonic acids
Alkylated hydro aromatic sulphonic acids
Alkylated naphthalenesulphonic acids
Alkylether alphatiosulphonates
Alkylether alphathiosulphonic acids
Aluminum naphthenates
Aluminum oleate
Aluminum soaps
Amides
Ammonium betatetrahydronaphthalenesulphonate
Ammonium butyrate
Ammonium linoleate
Ammonium oleate
Ammonium resinate
Ammonium stearate
Ammonium tannate
Ammonium tungstate
Ammonium valerate
Amylamines
Amyltetrahydronaphthalenecarboxylic acid
Anthracenesulphonic acid
Arrowroot starch
Bean starch
Beidellite
Bentonite
Benzylcellulose
Benzylstarch
Beta-aminoethylphenylether acylated with lauric acid and sulphonated
Beta-aminoethylphenyl ether condensed with lauric acid and sulphonated
Beta-aminoethyltolyl ether acylated with lauric acid and sulphonated
Beta-aminoethyltolyl ether acylated with stearic acid and sulphonated
Betamethylaminoethyl ether acylated with lauric acid and sulphonated
Buckwheat starch
Butyl acetylricinoleate
Butyl ester of acetylated polymerized ricinoleic acid
Butyl ester of polymerized ricinoleic acid
Butyl ester of ricinoleic acid
Butyl ricinoleate
Butylnaphthalenesulphonic acid
Calcium oleate
Calcium oxide
Canna starch
Carbohydrates
Carragheen
Castor oil acetylated
Castor oil, acetylated polymerized
Castor oil, sulphonated
Castor oil fatty acids
1:6-Chloronapthalenesulphonic acid
4-Chlor-3-nitrobenzene-1-sulphodecylamide
Cetyl-1-sulphuric acid ester, normal
Carbodite
Casamine
Casein
Cholesterin
Clay
Cobaltous oleate
Condensation products of:—
(1) Beta-aminoethylphenyl ether with lauric acid
(2) Beta-aminoethylether with stearic acid
(3) Beta-aminoethyle ether with lauric acid
(4) Beta-aminoethyltolyl ether with stearic acid
(5) Betamethylaminoethylphenyl ether with lauric acid
(6) Betamethylaminoethylphenyl ether with stearic acid
(7) Fatty acid glycerides with naphthalenesulphonic acid
Cumenedisulphonic acid
Cumenesulphonic acid
Cyclohexylcyclohexanol sulphonate
Cyclohexylethanolamine
Dari starch
Decylguanidin hydrochloride
Dextrin ether
Diamylamines
Dibutyl ricinoleicsulphonate
Dicarboxylic acid of monocyclic terpene
Dicarboxylic acid of polycyclic terpene
Diethylaminobeta-oxypropylamine
Diethylbenzylethylenediamine
Diethylene oxide
Diethylenethylenediamine
Diethylenethylenediamine, asymmetrical
Diglycol laurate
Diglycol stearate
Dihydroxystearates
Dioxan
Dodecylchloroacetic ester reacted with sodium thiosulphate
Dodecylguanidin hydrochloride
Dodecylpiperdin, normal
Emulsifier B 585
Emulsone
Emulsone B
Eritan
Ethanolamine
Ethanolamine oleate
Ethanolamine palmitate
Ethyl acetylricinoleate
Ethyl ester of acetylated polymerized ricinoleic acid
Ethyl ester of polymerized ricinoleic acid
Ethyl ester of ricinoleic acid
Ethyl ether of carragheen
Ethyl ether of inulin
Ethyl ricinoleate
Ethyl cellulose
Ethyl dextrin
Ethyl starch
Ethylnaphthalentsulphonic acid
Fatty acid ethanolamide
Fatty acid ethanolamides glycolated with ethylene oxide
Fatty alcohols
Fatty alcohols, sulphonated
Fatty amides of aromatic aminosulphonic acid
Flour
Gamma-4-N-octylcyclohexylbutyric acid
Gamma-4-secondary-butylcyclohexylbutyric acid
Gardinol
Gelatin
Glue
Gluten
Glycerides
Glycerin esters
Glycerol beta-acetylether
Glycol esters
Glycol mono-oleate
Glycol stearate
Glycollic acid
Glycollic acid salts and their derivatives
Glycopon
Glycostearin
Guaiac saponin
Hemicellulose
Heptyl alcohol
Hexadecylguanidin hydrochloride
Higher fatty amines and their derivatives
Hydrophtal
Hydroxystearic diglyceride
Immersol
Inulin
Invadene
Invadin
Isomerpin
Isopropylchloronaphthalenesulphonic acid

(To be continued)

Paint, Varnish, Lacquer Materials

Most Raw Paint Materials Remain in Active Call—Casein Demand Slack and Prices Weak—Pigments Market Slower but Prices Firm—Naval Stores Quiet

Movement of most raw paint materials remained better than normal during the period under review. In practically all cases the volume of shipments into consumption was running well ahead of the similar period last year. On the whole, prices were firmly maintained.

Casein remained in sluggish demand and weakness was noted in the market for both domestic and Argentine stocks. Prominent producers, however, maintained previous prices. Chemical colors were moving well, with carbon black deliveries setting the pace. Pigments were less active but the slowing down was due to heavier ordering early in the year. A resumption of active trade is looked for in early Spring. Glues were very strong and scarce. The market for varnish gums was marking time.

Turpentine ruled firm, with the trend of prices upward at times. Changes in rosin quotations were narrow, the prevailing tone being steady. No broadening of trade was reported, uncertainty concerning political affairs and renewed weakness in the market for securities making consumers disinclined to purchase to any important extent in advance of current needs.

Metallic Lead and Zinc

Pig lead buying improved slightly in the past week. Prices remained firm and unchanged at East St. Louis and New York. Demand for slab zinc was at preceding levels, with supplies rationed by sellers. No change in price was recorded.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from February 15 to February 21, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0565@.0570	$0.0550	..* .. ..
Monday	.0565@.0570	.0550	.. .. ..
Tuesday	.0565@.0570	.0550	.. .. ..
Wedn'sd'y.	.0565@.0570	.0550	.. .. ..
Thursday	.0565@.0570	.0550	.. .. ..
Friday	.0565@.0570	.0550	.. .. ..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from February 15 to February 21, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0675	.0725	.. .. ..

* London exchange closed.

Pigments

Antimony White.—Fair call. Offerings not extensive. Price steady and unchanged.

Flake White.—Better interest. Price firm.

Litharge. — Good movement. Inquiries better. Price firm and unrevised.

Lithopone. — Shipments at high level. Better than normal movement. No changes in prices.

Metronite Pigment.—Business fair. Price steady.

Orange Mineral.—Deliveries routine. Inquiries more satisfactory. Price steady.

Red Lead.—Good call. Price reflected steadiness of lead quotation.

Titanium Pigments.—Market quieter. Pick-up expected in early Spring. Prices firm and unchanged.

White Lead.—Dry materials in fair demand. Price firm.

Zinc Oxides.—Shipments at good level. Demand well maintained. Prices firm and unrevised.

Zinc Sulphides.—Consumption satisfactory to prominent producers. Prices steady.

Price Changes

None

Rosin, gum, 1c. to 10c. per 100 lbs.
Turpentine, gum, ¾c. per gal.

Reduced

None

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
128.0	128.0	128.0	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Fillers and Extenders

Asbestos.—Fairly good call. Prices steady and unchanged.

Asphaltum.—Routine movement. Inquiries better. New business small. Prices firm.

Barytes. — Normal movement of stocks. Shipments regular. Inquiries fair. Prices firm and unrevised.

Bentonite. — Routine movement. Price steady.

Blanc Fixe.—All types moving normally. Inquiries more numerous. Prices firm and unchanged.

Chalk. — Routine deliveries. Tone stable.

Charcoal. — Fair call for softwood material. Price steady.

China Clay.—Little of new interest. Demand, offerings and prices unchanged.

Diatomaceous Earth.—Demand for natural type slack. Purified material in fair call. Deliveries of chemically pure stocks routine. All prices firm and unchanged.

Fuller's Earth.—Quiet. Price firm.

Graphite.—Consumers showing more interest in offerings. Deliveries large. Prices firm.

Marble Flour.—Small call. Price steady.

Mica.—Fair consuming interest. No changes in quotations.

Pumice Stone.—Imported stocks unavailable. Prices withdrawn.

Rottenstone.—Slight spurt in demand noted. Deliveries routine. Price unrevised.

Tripoli.—Consumers buying in normal fashion. Volume of shipments well maintained. Price firm.

Whiting.—Quiet and unchanged.

Wood Flour.—Domestic stocks moving well. Prices steady. Norwegian material unavailable. Prices withdrawn.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Purchasing Agents Ass'n, May 26-29, Chicago.

HOOT MON! PARANOL 25

FOR A MON WI' AN EYE TO LOW COST PRODUCTION

Paranol 25 is a bonny buy . . . and the quality would truly surprise a mon wi' a searchin' pair of eyes!

And listen, mon! The way it works wi' softer oils will make your heart do a highland fling for glee. — Sshish! A sample and data dinna cost ye nothin'.

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MANUFACTURERS OF SYNTHETIC RESINS
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UNMATCHED in light fastness by any other known spirit soluble yellow, Calcofast Spirit Yellow 2R is one of several Calcofast colors developed specifically for staining aluminum foil and foil coated paper. It is an ideal basis for fast to light golds in Nitro-Cellulose-Lacquers that tolerate large additions of alcohol. Like its companion Calcofast colors, it also gives splendid results in specialty wood stains and furniture lacquers, and in non-grain-raising stains.

Other Calcofast Spirit Colors include:

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Calcofast Spirit Brown G
Calcofast Spirit Black R
Calcofast Spirit Yellow G
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Write today, stating your requirements, and working samples to meet your needs will be sent without charge.

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WHAT MICA DOES FOR PAINT

MOISTURE RESISTANT
MORE FLEXIBILITY
MORE PAINT LIFE

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IMPROVES DISPERSION
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CHECKING PREVENTED
CRACKING PREVENTED
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(1) The invisible Waterground Mica-Flakes lie flat . . . with a stronger laminated effect. (2) The particles' flatness provides extra adhesion through suction. (3) Vehicle penetration into porous surfaces is controlled.

WET GROUND MICA ASSOCIATION, Inc.
420 LEXINGTON AVENUE NEW YORK, N. Y.

Driers

Stearates and palmitates were attracting fair interest during the past week. Consumers were ordering against contracts in normal manner. New business was small but there was a pick-up in inquiries. Prices were firm and unchanged.

Naval Stores

No change in the character of business was noted in Southern and local markets for naval stores last week, but the tone showed improvement and in the case of turpentine the trend was upward at times, with sales reported at Savannah on Wednesday at 33c. per gallon, or an advance of one cent over the closing of the previous week. Transactions in turpentine in the primary market were generally small during the week, however, and sales of rosin as officially reported were also on a comparatively light scale, consumers still being disposed in not a few cases to follow a conservative course in purchasing operations in view of fresh weakness in the market for securities here and the prevailing uncertainty concerning political affairs at home and abroad. There were reports of a steady movement into consuming channels on contracts, however, and there was little disposition in selling quarters to change views with respect to the probable requirements of consumers during the remainder of the current naval stores year as well as for the first half, at least, of the coming season. The government remained in the market as a seller of turpentine and rosin. Offerings of both commodities from private sources were comparatively light throughout the week.

Turpentine.—Business in turpentine in the local market was generally of the small-lot character, the movement of such quantities for the week being reported in some circles as fair. The tone here was firmer in company with the primary market.

SAVANNAH, Feb. 21.—Following is a record of the turpentine market for the week:—

	Gallons— Cents.	Sales.	Barrels— Receipts.	Shipments.	On hand.
Saturday*	..	...	...	...	...
Monday	32	250	3	164	9,648
Tuesday	32	1,550	12	28	9,632
Wednesday	33	250	6	29	9,609
Thursday	32	300	10	...	9,619
Friday	32¼	100	10	78	9,551

* No trading.

JACKSONVILLE, Feb. 19.—Turpentine stock 14,215 barrels.

PENSACOLA, Feb. 15.—Turpentine stock 10,283 barrels.

Shawnee DRY COLORS
Color Content Guaranteed

Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Cadmium Colors
Lake Colors
Ultramarine Blue

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Established 1889

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STEARATES
ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE
Stocks at
• NEW YORK
• CHICAGO
• ST. LOUIS
• KANSAS CITY
• DALLAS
• LOS ANGELES
• SAN FRANCISCO
• SEATTLE
FRANKS CHEMICAL PRODUCTS CO.
BLDG. 9, BUSH TERMINAL — BROOKLYN, N.Y.

Made to Fit ?

There's a moral in this picture and it's simply this: Whenever you can, buy materials that are made with *your* problems in mind. Because the chances are, such materials will work better.

Nopco metallic soaps, for example, are made on that basis. And the record shows they *have* worked better for many manufacturers—for over 25 years!

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A Division of National Oil Products Co.
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STEARATES
of ALUMINUM, CALCIUM, LEAD, ZINC
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GUM TURPENTINE
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Special Oils to Order

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Importers, Refiners, Manufacturers
62 TOWNSEND STREET, SAN FRANCISCO, CALIF.
4½ million gal. U.S. Gov't Bonded Tank Storage

Chicago—Feb. 21

Turpentine remains slow. Ruling prices at the close of business last night were:—Five-drum lots, 46c. per gallon; five wood barrels, 51c.; single drums, 49c.; single barrels, 54c.

Rosin.—Business here lacked snap in the absence of anything stimulating in the market news from the South or any change for the better in political affairs. There was a fair request for small lots of some grades of rosin here, however, and the prevailing tone was steady.

SAVANNAH, Feb. 21.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted—				
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B		$1.57	$1.57	$1.57	$1.56	$1.56
D		1.63	1.63	1.63	1.65	1.65
E		1.64	1.64	1.64	1.65	1.65
F		1.64	1.64	1.64	1.64	1.64
G		1.64	1.64	1.64	1.64	1.64
H		1.64	1.64	1.64	1.64	1.64
I		1.68	1.68	1.70	1.70	1.71
K		1.85	1.85	1.90	1.90	1.90
M		2.00	2.00	2.00	2.00	2.00
N		2.11	2.11	2.11	2.11	2.11
WG		2.56	2.56	2.56	2.56	2.56
WW		2.76	2.76	2.76	2.76	2.76
X		2.76	2.76	2.76	2.76	2.76
	Barrels					
Sales.... ...		170	...	68	55	35
Receipts ...		1,046	775	623	...	326
Shipments ...		1,783	736	...	...	980
Stocks... ...		...	...	...	...	169,258

* No trading.

JACKSONVILLE, Feb. 19.—Rosin stocks 325,942 barrels.

PENSACOLA, Feb. 15.—Rosin stock 55,167 barrels.

Chicago—Feb. 21

Rosin is quiet. Ruling prices at the close of business last night in five drum lots were:—B grade, $2.88 per 100 pounds net; G grade, $2.92; M grade, $3.38; W.W. grade, $4.08.

Other Naval Stores

Pine Oil.—Steady contract movement. New business quiet. Prices maintained.

Pitch.—Inquiry for small lots somewhat better. Prices steady.

Rosin Oil.—Consumers purchasing for current needs only. Market steady.

Tar.—Fair movement of moderate lots to local and other consumers.

Synthetic Resins

Most synthetic resins were moving out in large volume during the period under review. Contract deliveries were holding the interest of the market, although there was a fair amount of new business present. Ester gum call was normal. Prices were firm and unchanged.

Dry Colors

Alkali Blue.—Fair call. Price firm.

Bone Blacks.—Better than normal movement. No changes in prices.

Cadmium Lithopones.—Market reacting to normal demand. New business quiet. Prices unchanged.

Cadmium Red Selenide.—Fair call. Price firm.

Carmine No. 40.—Good call recorded. Price unchanged.

Chrome Colors.—Consumers showing active buying interest. Offerings normal. Prices steady and unrevised.

Carbon Blacks. — Consumer consumption very heavy. Prices firm and unchanged.

Fire Red Toner.—Satisfactory demand. No change in price.

Iron Oxides.—Inquiries more numerous during period. Deliveries well maintained. Prices firm.

Lacquer Maroon.—Steady movement into consumption. Price unchanged.

Lamp Black.—Demand held to good level. Shipments in better volume. Inquiries unchanged. Price firm.

Lithol-Rubine Toner. — Fair call. Price firm.

Mercuric Oxides.—Demand continued to improve. Shipments larger. Prices unchanged.

Molybdate Methyl Violet. — No change. Demand fair. Price firm.

Molybdate Victoria Blue.—Satisfactory movement. Offerings normal. Price steady.

Ocher.—Better demand noted. Contract call up. Prices firm and unrevised.

Peacock Blue.—Quiet and firm.

Siennas.—Consumers buying in satisfactory quantities. Contract call good. New business fair. Prices firm and unchanged.

Tungstated Victoria Blue.—Fair call. Price steady.

Ultramarine Blues. — Deliveries against contracts were at higher level. Inquiries and shipping orders more numerous. Prices firm.

Umbers. — Demand for American umber routine. Good interest in Turkey umbers. Prices steady.

Vermilion.—The market for quicksilver vermilion continued to improve. Orders were getting larger. Price gained strength but was not changed.

Lacquer Materials

Inquiries and shipments were held at good levels in the market for lacquer materials and solvents. A generally firm undertone prevailed. Sellers continued well booked against contracts, and continue to restrict new business and export inquiries. Acetone position was still tight. Inquiries were fairly active for dibutyl phthalate. Ethyleneglycol was in good call. Some fair size replacement orders made their appearance for tricresyl phosphate.

Acetone.—Shipments steady. Market position firm.

Alcohol, Butyl. — Prices unchanged and firm. Buying held up well.

Butyl Acetate.—Withdrawals steady against contracts. Prices retained their firmness.

Cellulose Acetate.—Shipments moderately active, and prices remain the same.

Dibutyl Phthalate.—A good inquiry prevailed. Pricewise a firm tone was evident.

Ethyl Acetate.—Withdrawals steady to regular channels. Prices remain firm and unchanged.

Ethyleneglycol. — A generally good demand was evident, and prices were well sustained.

Isopropyl Acetate.—A firm tone prevailed, with buying steady.

Tricresyl Phosphate.—Consumers made their appearance for good-size replacements to keep market in satisfactory position.

Shellac

Scarcity of shipping bottoms from India to the United States has caused the virtual withdrawal of some shellac importers from the local market. In some quarters T.N. late last week was quoted at 16c. and 17c. per pound. In others upwards of 21c. per pound was named, possibly for the purpose of stopping sales. Calcutta was slightly easier, if anything. The somewhat chaotic spot market was caused solely by the excellent chance

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ST. LOUIS OFFICE: G. S. Robins & Co. 126 Chouteau Ave.

that inability to get cargo space will eventually bring about a shortage in spot stocks. In the meanwhile, bone-dry was priced at 26c. to 27c. per pound, but some quoted without offer. Only time can bring clarity to the at present very muddled, if not muddy, spot market.

Varnish Gums

Copals.—Domestic demand for both new business and contract deliveries was fair. Prices firm.

Dammars.—Market remained quiet, with similar situation at primary centers reported. No changes in quotations.

Elemi.—Satisfactory call. Deliveries not large. Prices steady.

Glues and Binders

Casein.—Demand for both domestic and Argentine materials was limited. Movement was confined to small-sized lots. Prices were weaker but prominent producers maintained quotations.

Glues.—Continued very strong and scarce. Offerings were restricted.

Southern Associates Study Raw Materials

—Continued from page 5

pany; oiticica oil, by Gerald Eisenschiml, of the Scientific Oil Compounding Company; calcium carbonate inerts, by A. R. Lukens, of the Thompson, Weinman Company; modern water paints and their use, by Leon Picou, of Wesco Water Paints, Inc.; roller mill grinding, by M. R. Sentman, of the J. H. Day Company, the formulation of soft oil varnishes, by C. F. Pickett, of the Resinous Products & Chemical Corporation; and accelerated testing, by C. G. Ollinger, of the National Carbon Company.

Mr. Eisenschiml presented a comprehensive picture of the drying oil situation in the United States at this time. The first installment of his complete address begins on page five in this issue. Among the oils discussed were soybean, linseed, and sardine.

Certain drying oils, he stated, are universally popular, and accepted by the entire trade. However, others were said to have friends in some quarters but to be disliked in others. He added that we are in a period of rapid development; many new oils are clamoring for attention, and few people are willing as yet to render their final verdict.

In his paper on calcium carbonate inert pigments, Mr. Lukens described the historical use, origin, derivation, and preparation of calcium carbonate into whiting. It also briefly reviewed the characteristics of decorative coating employing whitings, and the physical properties influencing the suitability of calcium carbonate fillers for paints, enamels, and calcimines.

The manufacture and applications of paste and powdered casein paints, and synthetic resin emulsion paints were comprehensively described in the presentation of Mr. Picou. A portion of the paper was also devoted to a complete discussion of casein itself and the manner in which it is made and processed in the manufacture of modern water paints.

Mr. Sentman, in his address, described the evolution of paint grinding equipment, with special emphasis on the modern roller mills now generally employed in the industry. The maintenance of the latter type of equipment was also treated.

Zinc Institute Appoints Committee to Aid OPM

A special committee has been appointed by American Zinc Institute at the request of Dr. E. M. Hopkins, minerals and metals executive of the Priorities Division of the Office of Production Management. The function of this special committee will be purely advisory, its purpose being to furnish to the proper officials in Washington such information and data regarding zinc production and distribution which may be requested, to the end that defense requirements may be provided for with a minimum of disturbance to civilian needs.

Ethocel
DOW ETHYLCELLULOSE

for Spirit Varnishes

ETHOCEL* toughens the natural resins used in spirit varnishes. Small percentages of ETHOCEL give the varnish film these improved properties:

- Higher softening point
- Increased abrasion resistance
- Decreased after-tack

For technical assistance in the utilization of ETHOCEL write the Cellulose Products Division.

*Trade Mark Reg. U. S. Pat. Off.

DOW THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

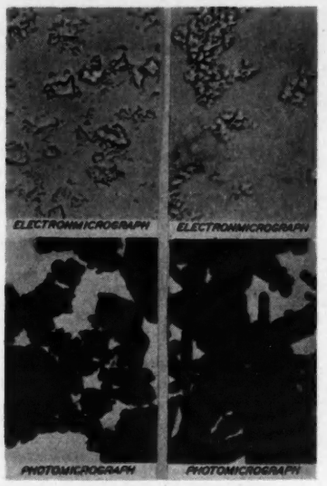
TAPPI Reviews Research on Products

—Continued from page 3

differences between ground and precipitated calcium carbonates.

Particles of calcium carbonate pigments as used in making coatings for high-grade papers are so minute that certain significant differences in their structures escape observation with the light microscope, the speakers explained. However, photographs taken under the extraordinary power of the electron microscope make these differences in pigments prepared by different methods clearly apparent.

Electron micrographs at a magnification of 36,000 times natural size showed that a typical precipitated calcium carbonate (precipitated chalk) is made up of tiny elongated crystalline



Precipitated Calcium Carbonate **Micro-Ground Calcite**

prisms massed together to form groups having extremely porous internal structures and rough external surfaces. In contrast, a new type of pigment, called Cal-Micro and prepared by a special process involving water-grinding of natural calcite rock, is shown to consist of solid, non-absorptive rhombs and fragments. Photomicrographs made with a light microscope at 2,000 times natural size, shown for comparison, failed to reveal complete details of structure.

The important differences between these ground and precipitated pigments in use lies in the proportions of adhesive (casein) required by each to form a satisfactory coating for high-grade paper. The lower casein requirement of Cal-Micro is explained by the non-absorptive structure of its particles, the report stated.

This is the first application to paper pigments of the electron microscope, by which minute objects can be pictured at as much as 100,000 times natural size. The instrument used in this investigation is the first one commercially built in the United States and is now part of the equipment of the Stamford research laboratories of the American Cyanamid Company.

(To be continued)

Research in Industry

—Continued from page 3

much service as many of the recent headliners. In many cases the problem faced by the ancient was difficult, his equipment and facilities were extremely meager, and his failures just as often and as discouraging as we meet with every day in our present highly developed social organization.

The field of the unknown may be likened to a vast space extending outward in every direction to an undefined and moving boundary. Research can penetrate along the line of any one of the infinite radii, each with a specific direction and continually advancing into much of the same variety of activity. Every possible branch of human knowledge is represented in such conception. One may take such direction that the successive steps keep within a relatively narrow confine, or he may choose such direction as to cut across divisions more or less unrelated. This is recognized in two well-defined methods of approach. In the one case we operate progressively on the basis of laws and experiences to keep within a relatively narrow field. The other system may be more or less characterized as a hit-or-miss system in which our approach is not closely related to our last operation yet with the hope that something worthwhile will result. What that answer is is a matter of chance and opportunity and may lead to values far afield.

Research Is Catholic

I think sometimes we chemists take too much credit for our importance in the research field. We lose sight of the fact that just as important undertakings are in progress in many other fields—mathematics, astronomy, physics, engineering, psychology, welfare. We have an organized propaganda and merely get more publicity.

In fact every branch of human activity is a field of most active research today. It merely happens that chemistry and physics are two very fundamental sciences that influence much of the recognized change going on in this world around us, and further that chemistry deals with the more material things that we come into intimate contact with in our everyday life. It is, therefore, natural that chemistry should have been one of the tools of the early researcher. He learned to recover metals, to tan skins, to meet many of his simple needs through the application of this science. Once the materials were in his possession then the phenomenon of physics came into play, in fashioning and fabricating them, and combining them into structures.

It is, therefore, natural that with such early beginnings and such long history the chemical and physical institutions have become very highly developed as time progressed, and do now occupy foremost positions in this modern world of research. But, they are by no means the only roads open to the seeker of new facts, and great masses of our people are equally busily engaged in a thousand other directions and doing an equally important work, even though the results do not always receive the same degree of publicity as the discovery of a new fabric material or the construction of a new tool.

Research is a much overworked word. It lends itself to magnification, publicity, and propaganda, frequently far beyond its real intrinsic value. Much of the mysterious can be incorporated in the conception, and fantastic import is easily compounded, yet it properly deserves none of this. It should be looked upon as a cold matter-of-fact necessity to the organized progress of our social structure.

Research to be effective, and to keep within reasonable bounds imposed by good management, must be well-directed and properly organized. An effective director of research is a very unusual type of individual. If he relies wholly upon past experience and precedent, he never reaches the real field of the unknown. If he lacks less than the widest of experience in the chosen field of his problem he expends countless hours and sums and reaches few immediately useful goals. He is a rare combination of the theoretical and the practical, a visionary and a realist combined.

He requires organization commensurate with the problems confronting him. Simple ones are sometimes solved by a single individual. As they become more complex he has to draw upon associated sciences and his staff to be effective must comprise individuals specializing in those allied fields. The economic size of his unit, therefore, is very materially governed by the character of the problem ahead.

(To be continued)

St. Louis Paint and Varnish Production Club will meet February 25 at 6:30 p.m. in the Hotel Claridge. Business matters will be handled.

John G. Winant, recently appointed as Ambassador to Great Britain, was the founder of the Atlantic Research Associates, Inc.

Oils, Fats, and Waxes

Chinawood Oil More Active at a Further Advance — Olive Oil Foots in Light Supply and Firmer—Cottonseed Oil and Lard Futures Steadier—Trade Generally Quiet

Quiet conditions continued to prevail in the market for miscellaneous vegetable, animal and fish oils, fats and greases last week. In scattered instances a fair request was noted for certain edible and technical products, but as a rule purchasing was of the same hand-to-mouth character noted in the previous period. The markets for cottonseed oil and lard futures had a steadier tone, but price movements were still generally within small limits. Also developments in political affairs abroad and at home were of a kind to make consumers cautious for the time being at least. Changes in quotations were about evenly divided between advances and reductions, with the ruling tone steady at the close of the week.

Vegetable Oils

Castor, Dehydrated.—Output moving steadily into consumption. Market firm.

Chinawood.—Firm at ¼c. advance. Transactions increased. Far Eastern situation considered bullish. Offerings here very light.

WASHINGTON, Feb. 21.—Hankow tung oil market stronger in January on Japanese buying, according to radiogram to Chemical Division, Department of Commerce. No arrivals or exports at Hankow during month. Rumored Japanese military export permits issued for 750 tons. Market price opening of January 190 Chinese dollars per picul of 133 1/3 pounds; end of January 210 Chinese dollars. Hankow oil stocks close of January approximately 2,407 short tons.

Coconut.—Crude reduced ⅛c. early in week; advanced ⅛c. later; net unchanged. Trade dull. Refined quiet and steady.

Corn.—Crude offerings light. Market quiet. Quotations nominal. Refined steady. Fair demand.

Cottonseed.—Edible oil unchanged. Fair demand.

Oiticica. — Buying stimulated by strength of chinawood. Spot sales reported at 16c. for liquid oil in tanks; 17c., drums. Futures offered 15c., tanks.

Olive. — Denatured quiet, slightly easier; sales at $2.25 per gallon. Edible firmer; supplies light; sales at $3.25 per gallon; higher in some quarters. Foots firm; spot supplies limited; sales reported 10¾c. to 11c. per pound, drums.

Perilla. — Quotations ranged from 16c. per pound upward on spot in tanks; 17c., drums. Inquiry better. Stocks light.

Soybean.—Quieter with competing oils. Crude reported sold at 5c. to 5⅛c. per pound, tankcars, Western mill.

Teaseed.—In light supply and firm. Crude reported sold around 17c. per pound; refined 20c. per pound.

There was no trading in soybean oil futures on the New York Produce Exchange, from February 15 to February 21, inclusive. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
May	...	...	5.10 bid
July	...	...	5.15 bid

Markets at Other Centers

Chicago, Feb. 21.—Vegetable oils quiet.

COCONUT.—Refined, edible oil, 8c. to 8¼c. per pound, drums, car lots; 8½c. to 8¾c., drums, less cars.

CORN.—Crude, low acid, 6½c. to 6¾c. per pound. Refined, edible oil, 8¼c. to 8½c. per pound, drums, car lots; 8¾c. to 9c., less cars.

SOYBEAN.—Crude, 4¾c. to 5⅛c. per pound.

The market for soybeans on the Chicago Board of Trade was fairly active. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing Feb. 21.	Closing Feb. 14.
Cash, No. 2	$0.94	$0.91¼	$0.93½	....
May	.92¼	.89¼	.90⅛	.91⅝
July	.85⅝	.85⅝	.87	.88½

San Francisco, Feb. 19.—The market firmed up in the instance of coconut and chinawood oils, while other materials remained unchanged.

COCONUT.—Quoted at 3c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Sales reported earlier in the period at 2⅞c.

Price Changes

Advanced

Candelilla wax, ½c. per lb.
Chinawood oil, ¼c. per lb.
Coconut oil fatty acid, ¼c. per lb.
Capric acid, ½c. per lb.
Olive oil, edible, 5c. per gal.
Olive oil foots, ⅛c. per lb.

Reduced

Carnauba wax, No. 3 chalky, 1c. per lb.
No. 3 North Country, 1c. per lb. refined, 2c. per lb.
Cottonseed oil, crude, ⅛c. per lb.
Japan wax, ⅛c. per lb.
Linseed meal, $1 per ton.
Linseed oil fatty acid, ¼c. per lb.
Olive oil, denatured, 5c. per gal.
Stearin, oleo, ⅛c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
118.8	118.6	116.8	106.7

Market news that may have developed after this report was sent to press will be found on page 4.

COPRA.—Quoted at from 1.775c. to 1.825c. per pound, c.i.f. Pacific Coast ports.

CHINAWOOD.—Stronger at 26½c. per pound in tankcars, f.o.b. Pacific Coast ports, following sales at 26¼c.

Linseed Oil

Flaxseed firmer in domestic markets. Linseed oil quiet and steady. Meal easier.

Flaxseed—DULUTH, Feb. 21.—Broader commercial demand and some interest in types for seed purposes firmed flax prices here. The week's closing price range was as follows:—

	Cash.	May.
Saturday	$1.74	$1.68
Monday	1.74¼	1.68⅛
Tuesday	1.78	1.71
Wednesday	1.76¾	1.69⅝
Thursday	1.77¾	1.70⅝
Friday	1.76½	1.70

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week	41,604	47	920	5,029
Since Aug. 1..	6,122,643	4,372,564	4,356,642	3,962,958

MINNEAPOLIS, Feb. 21.—Cash flax demand good and prices rose for choice quality. Trade in futures quiet now but for the week has been good. Crushers and professionals bought below $1.70; above that figure professionals took profits quite regularly. Crushers wanted to buy September futures but found few offers. They bought July about as freely as offered. Most of the country hedging pressure was in May futures and crushers bought. Commission houses were quite active on both sides, placing hedges and recovering them against cars sold out in the cash department.

Outlook for new crop is good. Best moisture condition of soil in recent years.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$1.74	$1.68	$1.66¾
Monday	1.74½	1.68½	1.67½
Tuesday	1.78	1.71	1.69½
Wednesday	1.76¾	1.69¾	1.68½
Thursday	1.76¾	1.70¾	1.68¾
Friday	1.76½	1.69½	1.68½

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week	120,400	25,200	29,400	21,000
Since Sept. 1..	8,728,400	2,853,200	1,466,400	1,769,630

WINNIPEG, Feb. 21.—The week's closing flaxseed price range was as follows:—

	Cash.	May.	July.
Saturday	$1.49¼	$1.51½	$1.49½
Monday	1.49⅝	1.52	1.50¼
Tuesday	1.51½	1.53⅝	1.51¾
Wednesday	1.52⅝	1.54⅞	1.52⅝
Thursday	1.54½	1.56½	1.53⅝
Friday	1.57⅝	1.60	1.57⅝

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

BUENOS AIRES, Feb. 21.—Flaxseed, April, 70⅜c. per bushel. Exports this week 275,000 bushels, including 173,000 to the United States. Total since January 1, as follows:—

To—	Bushels This year.	Bushels Last year.
United States	1,736,000	3,103,000
United Kingdom	374,000	3,124,000
Continent	51,000	3,759,000
Orders	.....	598,000
Others	160,000	59,000
Totals	2,521,000	10,613,000

Visible Supply

	Bushels.
Last week	5,906,000
Previous week	5,712,000
Last year	4,331,000

Linseed Oil.—A steady tone continued to prevail in the local market for linseed oil, selling schedules being held by crushers at previous levels. Flaxseed prices had an upward tendency in domestic centers at times during the week, but changes were generally moderate. There was little change in the character of business in linseed oil, such transactions as were reported being limited to unimportant quantities. Withdrawals on contracts were steady, however, and the indications continued to point to a liberal consumption. Demand for cash flaxseed in Northwestern markets was reported as active, and trading in futures showed an increase. Reports concerning the prospects for the next crop were favorable. Advices from South America stated that all available freight space for shipments to this country had been booked ahead until May, and intimated that there may be a further advance in freight rates in the not distant future.

MINNEAPOLIS, Feb. 21.—Buyers of linseed oil are concerned chiefly in getting oil they actually need. Many seem to have underestimated requirements. Tankcars, 8.8c. per pound; cooperage, car lots, 9.5c.; warehouse, 9.9c.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	4,500,000	2,760,000
Since Sept. 1	83,680,000	73,480,000

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Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
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TALLOW
LARD OIL
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CHICAGO, Feb. 21.—Linseed oil quiet. Tankcar, 8.8c. per pound; drums, car lots, 9.5c.; less, 9.9c.

SAN FRANCISCO, Feb. 19.—Linseed oil is steady and slow. Tankcar buyers are marking time. Deliveries against old contracts are excellent, and a good Spring paint trade is in the offing. Quotations did not change. Quoted:—Tankcars, 9c. per pound; drum, car lots, ex mill, 9.7c.; drum lots, ex warehouse, 10.1c.

Cake and Meal.—Meal was easier, with offerings somewhat freer. Fair movement. Cake dull.

MINNEAPOLIS, Feb. 21.—Linseed meal quiet. Carload lots, $27.50 to $28 per ton.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	8,280,000	3,040,000
Since Sept. 1	209,381,060	113,020,000

CHICAGO, Feb. 21.—Linseed meal quiet. Car lots, $28.50 to $29 per ton; less, $30.50 to $31.

Cottonseed Oil

Refined cottonseed oil futures were steadier. Southern markets quiet.

Cottonseed Oil.—Sentiment in cottonseed oil circles was still mixed last week, but on the whole appeared to be more friendly to the long side than was recently the case. At times the trend of prices was upward despite fresh weakness in the market for securities and what were regarded as unfavorable developments in political affairs abroad and at home. There was less pressure of liquidation, and on weak spots commission houses made purchases. The Chicago market for lard futures was steadier, and grain prices also displayed a rallying tendency.

Switching from near to distant positions was again something of a feature of the cottonseed oil market. March was switched to July at 18 to 20 points difference and to September at 26 to 27 points. May was switched to July at 11 points difference and to September at 17 points. July was switched to September at 6 to 7 points difference. The open interest in the market here on February 18 was 2,878 contracts, an increase within a week of 73 contracts.

Stocks of lard in Chicago increased 2,659,777 pounds during the first half of February, but this compared with a much larger gain in the same time last year, when the increase was 14,211,930 pounds. Lard stocks in that market on February 15 were 188,477,611 pounds, against 144,832,230 pounds a year ago. The weight of the hogs received in Chicago during the week ended February 15 averaged 247 pounds, against 245 pounds in the previous week.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from February 15 to February 21, inclusive, comprised 860 contracts, a total of 51,600,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
March	6.35	6.05	6.21@6.22
May	6.42	6.12	6.32@6.33
July	6.54	6.25	6.42 sale
September	6.60	6.30	6.49 sale
December	6.63	6.44	6.51@6.53

Crude, Southeast, .05¼c. Nom.

Chicago, Feb. 21.—Cottonseed oil moderately active. Refined, edible oil is 7¾c. to 8c. per pound, drums, car lots; and 8½c. to 8¾c., drums, less than car lots.

Cake and Meal.—An increased movement of meal was reported in some sections. Changes in spot quotations generally moderate.

Markets at Other Centers

Atlanta, Feb. 19.—Cottonseed meal, $24.60 to $25 per ton for 8 percent. Crude oil sold at 5½c. Preparation of land for cotton planting backward owing to bad weather.

Memphis, Feb. 21.—Crude cottonseed oil quiet during past week. Few scattered trades today at 5¼c. per pound, favorable Valley points. Meal slightly firmer at $24 per ton for 41 percent, Memphis basis. Bulk slab cake $21 per ton, bid, Valley points. Hulls $4.50 to $5 per ton at mill points. Heavy snow throughout this section today. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Feb. 13	Feb. 20.
March	$23.75@——	$23.25@23.50
May	23.60@——	23.00@23.25
July	23.35@23.70	22.90@23.10
September	22.50@22.80	22.35@23.25
October	22.25@22.60	22.25@23.00

Closing soybean meal futures:—

March	$21.75@22.00	$21.00@21.90
May	21.75@22.00	21.00@22.25
July	21.55@21.80	21.00@22.00
October	21.10@21.35	21.00@22.00

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Fatty Acids

Capric Acid.—More active and firmer. Prices advanced ½c.

Castor Oil.—Quotations stationary. Tone firm. Business fairly active.

Coconut Oil.—Firmer with basic material. Some sellers raised the price ¼c.

Linseed Oil.—Easier with raw material. Quotations shaded ¼c. Business quiet.

Palm Oil.—Firmer. Some sellers raised prices ¼c. Business routine.

Red Oil.—Contract and spot movement showed expansion.

Stearic Acid.—Steady contract withdrawals. New business less active.

Chicago—Feb. 21

Interest in fatty acids is increasing. Corn oil, double distilled, 8¼c. to 8½c. per pound, tankcar; coconut oil, acidulated, 9¼c. to 9½c. per pound, tankcar; cottonseed oil, double distilled, 7c. to 7¼c. per pound, tankcar; settled cottonseed soap stock, 60-62 percent basis, 2½c. to 2¾c.; boiled down soap stock, 65 percent basis, 3½c. to 3¾c.; cottonseed foots, 50 percent basis, 1⅜c. to 1½c.

Fish Oils

Cod.—Offerings limited. Market is quiet. Quotations nominal.

Menhaden.—Refined firm at recent advance. Fair small-lot inquiry.

Sardine.—Consumers of refined purchasing for current needs only. Market firm. Crude trend upward.

Sperm.—Prices unchanged. Tone firm. Trade fairly active.

Whale.—Refined held at former levels. Fair movement to local and other buyers.

Markets at Other Centers

Baltimore, Feb. 19.—Crude menhaden oil dull. Intimated small quantity might be obtained on spot at 35c. per gallon. North Carolina boats stopped fishing for the season. Rumored several tanks new-crop Florida oil sold on when-and-if-made basis at 35½c. to 36c.

San Francisco, Feb. 19.—The Northern California sardine fishing season ended last week and not a single ton of fish was accounted for. Marketing conditions were tight and bids of 47c. per gallon on tankcar lots went unanswered here. Oil apparently is not available. Sellers in Southern California were offered 47½c. and were asking 50c. with no trading resulting. Total oil produced for the season at the end of January amounted to 12,032,948 gallons, compared with 16,740,533 as of January 31, 1940, a difference of some 500 tankcars.

Fats and Greases

Grease.—Trade quieter. Offerings light. Tone steady.

CHICAGO, Feb. 21.—Choice white grease, 4⅝c. to 4¾c. per pound; yellow, 4¼c. to 4⅜c.

Lard.—Local cash demand limited to moderate lots. Price movements are narrow.

CHICAGO, Feb. 21.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing Feb. 21.	Closing Feb. 14.
Cash	$6.25	$6.00	$6.07	$6.15
May	6.45	6.22	6.22	6.32
July	6.62	6.40	6.40	6.47

Stearin.—Business quieter. Quotations shaded ⅛c.

CHICAGO, Feb. 21.—Prime oleo stearin, 6c. to 6¼c. per pound; lard stearin, 6¾c. to 7c.

Tallow.—Fair inquiry for small lots. Large buyers holding aloof. Offerings generally light.

CHICAGO, Feb. 21.—Inedible tallow, prime, 4⅞c. to 5c. per pound; special, 4⅝c. to 4¾c.

Trading in tallow futures on the New York Produce Exchange from February 15 to February 21, inclusive, comprised one contract totalling 60,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	...	...	5.20@5.40
June	5.40	5.40	5.35@5.50

Animal Oils

Degras.—Quotations ranged from 7½c. per pound upward on common, 13c. upward on neutral, according to grade and quantity. Spot stocks apparently rather light. Demand broadened.

Lard.—Quotations stationary. Market tone steady. Business quiet.

CHICAGO, Feb. 21.—No. 1 lard oil, 7¾c. to 8c. per pound.

Neatsfoot.—Inquiry for small lots somewhat better. Prices steady.

Oleo.—Consumers purchasing for current needs only. Prices unchanged.

CHICAGO, Feb. 21.—Extra oleo oil, 7c. to 7¼c. per pound.

Tallow.—Business quiet and routine. Prices unaltered.

Waxes

Bayberry.—Steady. Clear of new developments.

Bees.—Crude was somewhat easier. Bleached and refined waxes maintain recent advance. Demand very good.

Candelilla.—In excellent demand and selling higher at 20c. to 20½c. per pound in ton lots.

Carnauba.—Some spot prices lower. Others maintained. Excellent business reported. Fewer cheaper offerings from Brazil. Considerable spread in shipment quotations. Quotations:—No. a chalky, ton lots, 55c. to 55½c. per pound; 5-bag lots, 55½c. to 56c.; 1-bag lots, 56c. to 56½c.; No. 3 North Country, ton lots, 58c. to 58½c.; 5-bag lots, 58½c. to 59c.; 1-bag lots, 59c. to 59½c.; No. 1 yellow, ton lots, unchanged. Refined, lower at 63c. to 64c.

Japan.—Easier and lower at 16½c. to 17c. per pound. Sales made under substantially more competitive conditions.

Privileged Export Company has opened, in Split, Yugoslavia, a course of instruction in olive growing and the production of oil, with the purpose of familiarizing the district agronomists of the Dalmatian littoral with all the problems of this branch of agriculture.

Drying Oils

—Continued from page 5

The drying of soybean oil in paints can be improved and stabilized by the use of a slightly refined oil in place of raw oil. Raw soybean oil, even if apparently clear, is liable to contain a small amount of gelatinous foreign materials which exert a retarding influence on its oxidation. Elimination of these particles by a simple refining process improves soybean oil and makes it a much more desirable constituent of paints.

Another matter which must be considered in this connection is that the amount of soybean oil which can be advantageously used with linseed oil depends on the quality of the linseed oil with which it is to be combined. If the linseed oil has been derived from a "sickly" crop, such as we have suffered from several years in succession, with iodine values running below 170, a further weakening of its drying qualities by the admixture of a semi-drying oil like soybean oil is obviously inadvisable. When we deal with a good crop, however, and linseed oil runs high in iodine value and dries exceptionally well, the percentage of soybean oil can be increased without harm to the resulting products.

In the past two years, since the price of chinawood oil has shot skyward, many efforts have been made to convert soybean oil into a drying oil. Soybean oil is a domestic product: its supply is large, its price low, and therefore these efforts are easily understood. The attempts to convert soybean oil into a true drying oil have been largely in the direction of separating the nondrying and the drying constituents of the oil by fractional distillation. After the fatty acids have been separated, the drying portions are re-esterified to yield an oil with a considerably higher iodine value than the original product. The work done along these lines is still in progress, and its results are not yet immediately applicable. The potentialities in this field are tremendous, however, and further developments should be watched carefully by the entire industry.

Soybean fatty acids and more recently the fractionated soybean fatty acids are being used in increasing quantities in alkyds. This is, however, a separate field and not one of the materials which may properly be classed with drying oils.

(To be continued)

Use Tax Applies In Mail-Order Sales

—Continued from page 4

erty sent into the State for use therein to collect the tax as agent of the State, regardless of whether the actual sale took place within the State or outside.

The majority of the highest court held that mail-order sellers must collect and remit the Iowa use tax because their transactions with people in the State were a part of their business in the State, which they were privileged to do by State authority, and which therefore made them subject to such conditions as the State might apply. The dissenting justices characterized application of the use tax to mail-order sales a clear effort to burden interstate commerce.

Soap Exports Reported

United States exports of various sorts of soaps during December, as reported by the Bureau of Foreign and Domestic Commerce, follows:—

	Pounds.	Value.
Medicated	21,046	$8,102
Toilet or fancy	558,700	101,936
Laundry	753,677	36,000
Powdered or flaked	118,762	10,367
Shaving creams	23,427	11,072
Shaving cakes, powders, and sticks	5,041	2,759
Shaving soaps, bricks, pastes and powders	183,901	12,711
Other soap	107,472	10,259

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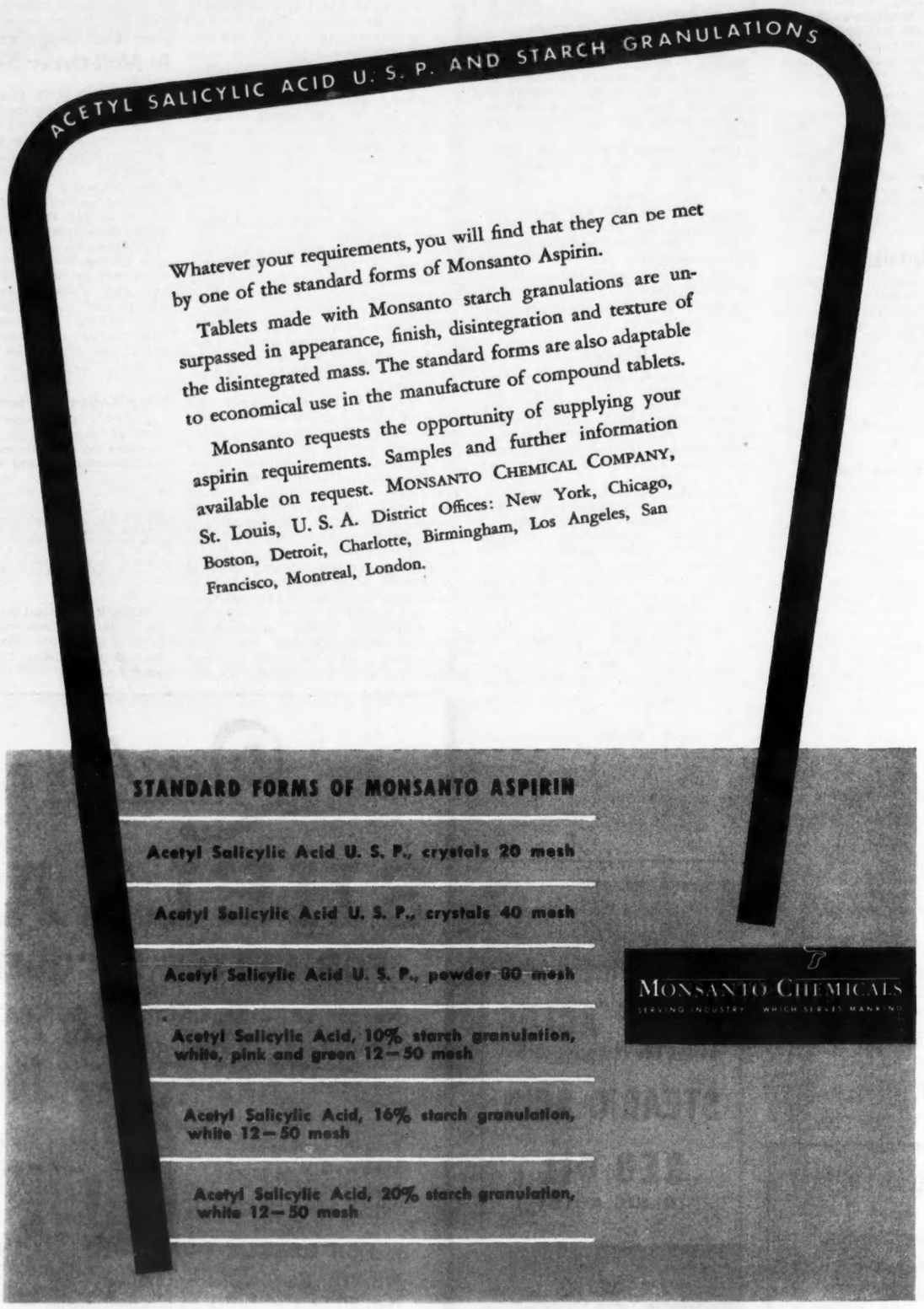
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Drugs, Fine Chemicals

Shark Liver Oil Very Scarce and Advancing—Cadmium Higher and Nominal—Quicksilver Up—Mercurials Hold —Tartar Products Strong at Recent Rise

High volume of demand prevailed almost throughout the drug and fine chemical market during the past week. Consumer needs were running in excellent volume and the outmovement of stocks built a satisfactory total by the close of the period. Prices in general displayed steady undertones. Many of them were definitely strong.

Shortage of shark liver oil accompanied higher prices with prominent sellers being actual buyers of anything available. Codliver and halibut liver oils occupied firm position. Production of shark liver oil starts within the next two months.

Quicksilver was in small supply on spot, probably because of reduced production caused on the Pacific Coast by a higher-than-normal precipitation of rain. Recent heavy buying has been tabbed as short selling by interests now finding it hard to cover commitments. Mercurials were naturally very firm.

No further advance was scored by tartar products but all were strong based on the prevailing high cost of raw material. The value of imports of raw material from the Argentine in 1940 was declared to have been $426,481 higher than those in 1939. Spain has been shipping some crude tartar to this country but always at very high prices.

Price Changes

Advanced

Cream of tartar, 5c. per lb.
Cadmium metal, 5c. per lb.
Quicksilver, $3 per flask.
Rochelle salt, 4c. per lb.
Seidlitz mixture, 3c. per lb.
Shark liver oil, ½c. per mill. vit. units.
Tartar emetic, 3c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
206.7	206.6	206.0	197.5

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Acetylsalicylic.—Excellent demand along seasonal lines.

Acid, Ascorib.—Steady at $2 per ounce. Supplies ample.

Acid, Boric.—Firm market. Good consumption. Future likely to be lively.

Acid, Citric.—Demand quiet at seasonal limits. Stable prices.

Acid, Nicotinic.—Steady at late sharp price drop. Consumption likely to rise. Interest subject to substantial stimulation.

Acid, Tartaric.—Prices rose 6c. late in previous period. Market:—10,000 pounds, barrels, one shipment, 57½c. per pound; smaller lots, 58c. Keg packing, ½c. more. Caused by raw material costs. Imports of argols, tartar, and wine lees, 1940, rose to 23,805,781 pounds from 17,370,292 pounds imported in 1939. December imports from the Argentine valued at $93,602; for the calendar year, $464,425. In December, 1939, the value of imports was $17,899; and for the calendar year, $37,944.

Agar.—Steady. No unusual demand. Prices maintained.

Alcohol.—Excellent activity. Prices constantly firmer. Consumption running to excellent figures. No weakness of any sort.

Alpha Tocopherol.—Steady at late reduction. Excellent demand.

Ammonia Benzoate.—Trade sustained by routine requirements. Firm.

Ammonia Chloride.—Calls gain from some areas. Very steady.

Amyl Acetate.—In excellent, well sustained demand. Firm.

Amyl Butyrate.—Normal interest. Steady to firm prices.

Amyl Chlorine.—Prices confirmed. Steady market.

Amylene.—Prices checked. Apparently well stabilized.

Antipyrene.—Interest active. Deliveries prompt. Prices firm.

Bismuth Metal and Salts.—Firm in keeping with position of most items derived from metals. Good, steady demand.

Borax.—Tenders taken promptly. Firm to strong market.

Cadmium.—Metal higher. Ingots, or sticks, 85c., nominal; patent shapes, 90c., nominal. Demand in excess of supply.

Caffeine.—Strong. Every pound has a buyer. Far more than present production could be sold.

Castor Oil.—Firm. In good request. Prospects favor larger consumption. Hard to get raw material from Brazil.

CHICAGO, Feb. 19.—Castor oil prices are:—Cold pressed, U.S.P., barrels, car lots, 10⅝c. per pound; barrels, less than car lots, 11⅜c.; returnable drums, car lots, 10⅜c.; drums, less than car lots, 11⅛c.; tanks, 9⅞c.; extracted, No. 3, barrels, car lots, 10⅛c.; barrels, less than car lots, 10⅞c.; returnable drums, car lots, 9c.; drums, less than car lots, 10⅜c.; tanks, 9⅜c.

Calcium Glycerophosphate.—Seasonal gains in request. Firm.

Choral Hydrate.—Demand and deliveries normal. Stabilized prices.

Chloroform.—Widening demand for technical purposes. Firm.

Cinchophen.—Satisfactory demand. Very steady market position.

Cocoa Butter.—No further rise. Very firm. Stocks moderate.

Codeine.—Excellent activity results from severe seasonal conditions.

Codliver Oil.—Steady to firm. No surplus of supply. Other fish oils gaining prominence because of viatmin content.

Corn Syrup.—Steady. In excellent demand. Good supply.

Cream of Tartar.—Prices advanced 5c. late in previous week. Market:—5,000 pounds, one shipment, 47½c. per pound; smaller quantities, 48c. Caused by rising production costs.

Creosote.—Excellent lilt to consuming demand. Firm.

Ephedrine.—Seasonal ailments rousing demand fairly well.

Epsom Salt.—Complete price stability. Normal consuming call.

Fish Oils.—SAN FRANCISCO, Feb. 18.—Quotations on fish-liver vitamin oils currently firm. Market tone good. The soupfin shark season recently closed. No further catch in sight on this high vitamin A source before next September. Sellers inclined to tighten up. Tuna in light supply. Shipments, frozen livers, from Japan expected to start next month. Not being inclined to contract ahead. Producers accommodating spot requirements, but not contracting ahead. Prices are:—

CRUDE SOUPFIN SHARK-LIVER OIL.—High potency, 100,000 U.S.P. units vita-

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Amer. Drug Mfers. Ass'n, May 5-8, White Sulphur Sprs.
Proprietary Ass'n, May 12-14, New York.
Purchasing Agents Ass'n, May 26-29, Chicago.

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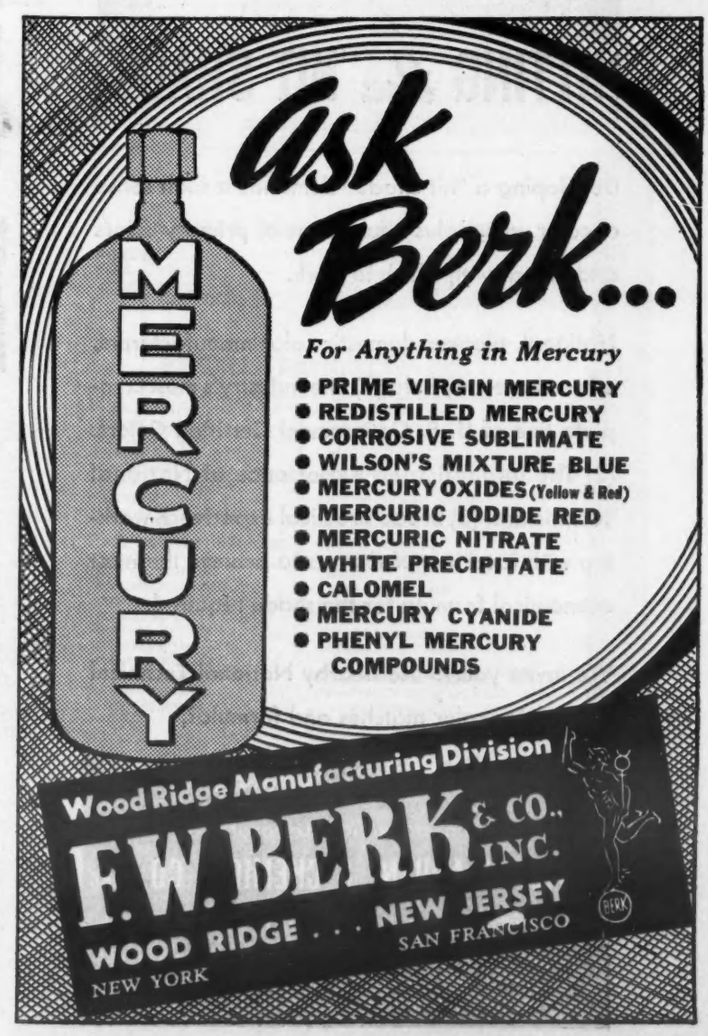

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PROVIDENCE SAN FRANCISCO ATLANTA PORTLAND, ORE.
CHICAGO CHARLOTTE NEW ORLEANS TORONTO

min A per gram, 7¾c. to 8¼c. per million units, in drums, f.o.b. Pacific Coast; medium potency, 50,000 to 80,000 U.S.P. units vitamin A per gram, 5½c. per million units.

CRUDE SOUPFIN SHARK-LIVER AND OTHER SHARK-LIVER OIL.—Lower potency, upwards from 10,000 U.S.P. units vitamin A per gram, 4½c. per million units.

CRUDE TUNA-LIVER OIL.—Ranging in potency, 20,000 U.S.P. vitamin D units per gram or better, 55c. per million units.

Formaldehyde.—Excellent consumption indicates firm spot market and forecasts strength for the future.

Glycerin. — Fully stabilized spot market. Demand up to normal needs. No requirement unfilled. Speculation entirely absent. Strength clearly defined.

CHICAGO, Feb. 19. — Glycerin prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots; 13c., drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c., drums, car lots; 12½c., drums, less than car lots.

Halibut Liver Oil.—Good demand. Market for production as available. Prices firm.

Hexamethylenetetramine. — New business good. Contract tenders taken promptly. Well stabilized price position.

Iodine and Iodides.—Stocks ample. No danger of shortage seen. Demand at normal levels. Deliveries prompt.

Magnesia.—All kinds in good request. No adverse price position. Undertones steady to firm.

Mannitol.—Low, favorable costs a stimulent to consumption.

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We can release your capital for expansion . . .
Let us manufacture your product, supervise it, pack it, ship it. Save your time and capital for expansion. Our work is absolutely confidential. Our facilities are complete for any type of pharmaceutical product and our services are extremely personal. May we tell you about the considerable savings we feel confident we can make for you? An inquiry incurs no obligation.
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POLYALCOHOLS
ATLAS
MANNITOL PRICE REDUCTION
CHEMICALS ATLAS EXPLOSIVES
WRITE FOR INFORMATION
ATLAS POWDER COMPANY
Industrial Chemicals Dept. Wilmington, Delaware

Menthol.—Steady. No special activity. Apparently firm.

Mercurials. — Showing added strength. Due to strengthening of raw material. Demand normal to better.

Methanol.—Firm in all respects. Denaturing grade price rise fully maintained. Demand excellent.

Methylethyl Ketone.—Firm. In excellent request. Sellers' minimum price views differ.

Quicksilver.—Domestic metal, spot, about $170 to $172 per flask. Little available. Production, Pacific Coast, curtailed by rains. Recent large activity said to have been short sales. Brokers trying to cover. Active bidding by agents seeking stocks. Mine owners not anxious to sell. Situation tight.

ALL GRADES OF
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DYNAMITE
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• Kansas City, Kans.
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JERSEY CITY, NEW JERSEY

Quinine.—Tense situation developed by Japanese fleet movements in Gulf of Siam. Threat to Dutch Netherlands East Indies. Domestic stocks, bark and quinine, protect needs at least two years ahead. Situation watched closely by quinine trade and Federal Government.

Rochelle Salt.—Prices rose 4c. late in previous period. Market:—5,000 pounds, one shipment, 36½c. per pound; smaller quantities, 36c. Caused by raw material costs. Good demand.

Santonin.—Firm to strong. Sellers reserved. Active season nears.

Seidlitz Mixture.—Advanced 3c. late in previous period. Market:—5,000 pounds, one shipment, 28½c. per pound; smaller lots, 29c. Keg packing ½c. higher. Caused by rising raw material costs.

Shark Liver Oil.—Scarce. Higher at 4½c. to 9½c. per million vitamin units. New season starts within next two months. May relieve shortage.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	34¾	23¼
Monday	26⅞	34¾	23¼
Tuesday	26⅞	34¾	23⅛
Wednesday	26⅞	34¾	23⅛
Thursday	26⅞	34¾	23⅛
Friday	26⅞	34¾	23⅛

Tartar Emetic.—Prices advanced 3c. late in previous week. Market:—Technical, 5 barrels or more, 42¾c. per pound; less than 5 barrels, 43c.; U.S.P., 48c.

Baumgardner Heads Sales In Chicago for Anchor Hocking

F. H. Baumgardner, formerly an assistant salesmanager for the container division, has been appointed manager of the Chicago office for the Anchor Hocking Glass Corporation, Lancaster, Ohio. He succeeds G. J. Graham, who has been transferred to the main office. E. Wells has been made an assistant salesmanager.

BASIC MATERIALS
for Drugs and Cosmetics
One of the many essential services to the drug and cosmetic industries rendered by the House of McKesson for more than a century is the importing and distributing of basic drug materials from all parts of the world. Improved, perfected and extended, this important service to the industry is now used by scores of manufacturers to help produce drug and cosmetic preparations which satisfy the exacting needs of millions of consumers. Inquiries welcomed.
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Carus Chemical Co.
Benzoic Acid
Soda Benzoate
Brown Company
Chloroform
Hawaiian Pineapple Co.
Citric Acid
Zinsser & Co.
Gallic Acid
Tannic Acid
Stauffer Chemical Co.
Cream Tartar
Tartaric Acid
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Cod Liver Oil
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CINCHOPHEN
CINCHOPHEN SODIUM
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ETHYL GLYCOCOLL HYDROCHLORIDE
IODOXYQUINOLIN SULPHONIC ACID
NEO CINCHOPHEN
OXYQUINOLIN BENZOATE
OXYQUINOLIN SULPHATE
POTASSIUM OXYQUINOLIN SULPHATE
PHENOBARBITAL
PHENOBARBITAL CALCIUM
PHENOBARBITAL SODIUM
SODIUM DIPHENYL HYDANTOINATE
TETRA-IODO-PHENOLPHTHALEIN SODIUM
THEOPHYLLINE
BROMSTYROL
CINNAMIC ACID
DIACETYL
METHYL CINNAMATE
METHYL PHENYL ACETATE
PHENYL ACETIC ACID
BENZALDEHYDE
BENZYL ALCOHOL
BENZYL CHLORIDE
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LIQUID BROMINE
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Established 1917
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IMPORTED BOTANICALS

The difficulty of obtaining botanical supplies from abroad is, of course, increasing.

Despite this condition and a growing scarcity of certain botanicals, we are able to offer many items at surprisingly favorable prices.

This is only a partial listing of the Imported Botanicals which we offer for prompt shipment:

ORDERED YOUR TICKETS YET? A good time will be had by all at the Annual Drug, Chemical and Allied Trade Section Dinner. The Place: Waldorf-Astoria Hotel. Date: March 13, 1941

ACACIA GUM	CAPSICUM	EUCALYPTUS	PSYLLIUM SEED
AGAR AGAR	CARDAMOM	FENNEL SEED	QUINCE SEED
ALOES	COLOCYNTH	FOENUGREEK SEED	RHUBARB ROOT
ARECA NUTS	COLOMBO	GINGER ROOT	ST. JOHNS BREAD
ASAFOETIDA GUM	CORIANDER	HELLEBORE ROOT	SENNAS
BENZOIN GUM	CORNSILK	HOREHOUND HERB	SOAP BARK
BUCHU LEAVES	CUBEB BERRIES	KOLA NUTS	TRAGACANTH

Samples and quotations will be submitted promptly upon request

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

McK.& R. Amended Plan Ordered Sent to SEC

—Continued from page 5

Agreement on this point resulted in the withdrawal of previous objections of the preference stockholders.

If the commission's report, which is advisory rather than mandatory in character, presents no further complications, the court will be asked to authorize submission of the reorganization plan to a vote of the creditors and stockholders.

The following are the chief provisions of the amended plan as submitted to the court by Mr. Wardall:—

(1) The principal amount of all debt, except priority debt which is to be paid in cash in full, is to be paid 40 percent in cash, 40 percent in new 15-year 4 percent sinking fund debentures and 20 percent in new 5½ percent cumulative preferred stock. If, however, these new debentures and preferred stock can be underwritten or sold at the same or better rates to net the company par in the aggregate, creditors will receive cash in full. The amount of debt is estimated to be $29,596,095 plus interest.

(2) Interest to the date of distribution is to be paid at the rate of 5½ percent on the debentures and on overdue interest installments thereon. Interest will be paid at the rate of 3 percent on the bank debt and at whatever rate is legally owing on all other debt. The trustee disclosed that he had been advised that a group of the larger drug and liquor creditors of McKesson, representing approximately $5,100,000 of merchandise and expense debt, have agreed to waive interest in excess of 3 percent.

(3) A new common stock, representing more assets and earnings than the comon stock now outstanding is to be created. Holders of present preference stock will be entitled to receive 2.3 shares of this new common stock for each share of preference stock now held, including accumulated and unpaid dividends.

(4) Holders of present common stock will be entitled to receive one quarter share of new common stock for each share now held.

(5) The amended plan estimates prospective earnings of $4.32 for a normal year on the 2.3 shares of new common stock to be issued for each share of old preference stock and $0.47 for the one-quarter share of new common stock to be issued for each share of old common stock. This earnings estimate assumes the underwriting or sale of new debentures and new preferred stock with rates of 3½ percent and 5 percent respectively.

Securities to Be Issued

The new securities estimated to be issued are:—$11,800,000 of 15-year 4 percent sinking fund debentures as compared with the present $15,725,000 of 20-year 5½ percent convertible debentures; 59,000 shares of 5½ percent cumulative preferred stock, par value of $100, as compared with 595,712 shares of $3 series preference stock now outstanding, and 1,685,901 shares of new common stock, par value $18, as compared with 1,263,053 shares, par value $5, now outstanding.

Under the present capitalization, the interest, sinking fund and amortization charges on debentures in 1940 amounted to approximately $1,698,000. Under the amended plan the estimated annual interest and sinking fund charges will be only approximately $767,000. This is on the assumption that the new debentures will be underwritten or sold with a 3½ percent coupon and a 3 percent annual sinking fund.

Judge Coxe set March 31 as the date for the next hearing to consider the advisory report of the S. E. C. on the McKesson reorganization plan.

Trade Briefs

Seydel Chemical Company, Jersey City, N. J., is observing during 1941 its twenty-fifth year in the production of soda benzoate, U.S.P.

McKesson & Robbins, Inc., this city, sales of drugs and sundries in January totaled $11,140,972, against $9,990,819 in January, 1940.

T. Ellsworth Ragland, former president of the Baltimore Retail Druggists Association, has been named to the Maryland Board of Pharmacy.

John J. Carle, retired president of John Carle & Sons, wholesale druggist, this city, who died January 6, 1939, left an estate appraised at $3,310,964.

Sales in December Given by Census Bureau

—Continued from page 4

Comparisons of the various groups and some single commodities follow:—

Wholesale Sales

	Percentage comparison with Dec., 1939.
Drugs and druggists' sundries	+10.0
Industrial chemicals	+10.0
Paints and varnishes	+ 5.0
Petroleum	+15.0

Manufacturers' Shipments

Chemicals and allied products	+14.7
Petroleum refining	— 6.1
Rubber products	+46.9

Exports

Coaltar chemicals	+21.2
Gas and fuel oils	—43.8
Industrial chemicals	— 2.5
Lard	—35.0
Lubricating oil	—55.6
Medicinal products	+ 1.7
Motor fuels	—43.9
Naval stores	—50.7
Paints and varnishes	—31.2
Petroleum, crude	—55.5
Pigments	—12.7
Soaps and toilet preparations	—37.1

Retail Sales

Drug stores, independents	+ 6.0
Chains	+ 6.0
Inventories	+ 7.0
Filling stations, independent	00.0

Wholesale Inventories

	Compared at Dec. 31.
Drugs and druggists' sundries	— 2.0
Industrial chemicals	— 2.0
Paints and varnishes	+ 5.0
Petroleum	—15.0

Manufacturers' Inventories

Chemical and allied products	+11.1
Petroleum refining	+ 6.0
Rubber products	+15.1

Container Corporation of America, this city, has purchased assets of the Reed Container Company, Baltimore.

Calomel Ointment Labeling Defined

OPD Washington Bureau
February 20, 1941

Restrictions on the labeling of calomel ointment sold for the prevention of venereal diseases have been outlined to manufacturers in correspondence by the Food and Drug Administration. Manufacturers have been reminded that they must reveal that calomel is a derivative of mercury, and the label must show the quantity of mercury present.

The label must also state that the preparation will not prevent all venereal diseases, must bear full and adequate directions for use, must not claim that it will not injure sensitive membranes, and must bear a warning against use by patients sensitive to mercury.

A.P.M.A. Group to Discuss Sales and Advertising

Sales and advertising executives of Eastern members of the American Pharmaceutical Manufacturers Association will meet March 1 in the Hotel Pennsylvania. A. Douglass Brewer, of Ciba Pharmaceutical Products, Inc., will preside at the meeting in his capacity of vice-chairman of the association's committee on advertising and sales.

The program of the meeting provides for consideration of a varied group of subjects, largely in the manner of "Information Please" sessions. Some particular matters will be dealt with in individual commentaries.

Exact Weight Scale Company, Columbus, Ohio, has developed a "Paxall" bagging machine.

WHOLE AND POWDERED **GUMS** KARAYA (INDIAN GUM) LOCUST BEAN TRAGACANTH ARABIC

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383 Brannan St. San Francisco, Cal.

Botanical Drugs, Spices, and Gums

Favorable Prices Prevail on a Surprisingly Large Number of Botanicals—Primary Market Sellers Requesting Letter of Credit Extentions—Shipping Delays Serious

Firmness and strength were primary characteristics of the market for botanical drugs during the past week. Throughout the market underlying strength was pronounced and for the most part the strength stemmed from the fact that stocks of numerous imported items were increasingly hard to secure on the open market.

It should not be inferred, however, that shortage is a fact in practically all botanical drugs. Such is not the case and it is surprisingly true that supplies of numerous imported items are in very fair shape and that prices on the same have been kept at levels best described as favorable. Of course, all imported goods are feeling the impact of conditions arising from the war but in many instances such conditions take the form of uncertainty regarding ultimate arrivals of goods that today can be bought in primary markets. Shipping space throughout the world is getting harder and harder to secure. Freight carriers are being devoted increasingly to the transport of merchandise needed in the national defense of those whose engagement in war has not swept their shipping from the high seas. Replacements of many items have been bought but when the purchases will move to this country is highly uncertain. Requests for extentions of letters of credit are no uncommon thing these days.

Balsams

Peru.—Firmer and higher at 70c. to 75c. per pound. Moving well.

Tolu.—Very steady. Demand routine at normal volume.

Barks

Black Haw.—Root bark strong. Stocks of genuine quality subnormal. Price tendency upward.

Cocillana.—Under seasonal call. Very steady.

Cascara Sagrada.—Strongly held at source. Outlook suggests less than normal collections. Collection prices likely to be high this year. Labor scarce.

Lemon Peel.—Firmer and slightly more active.

Soap.—Easier under excellent supply. Whole shaded to 10c. to 11c. per pound. Powdered, 16c. to 17c.

Beans

St. Ignatius.—Quiet. Firm. In moderate supply.

Vanilla.—Market definitely nominal on Bourbon beans. Limited quantities of Mexicans held at very firm prices. Little chance, on present information, that French beans will be permitted shipment from source to spot. A report chance exists for beans to be run through the British blockade of the islands. December, 1940, imports by countries of origin were:—

	Pounds.
France	5,363
Mexico	24,005
Trinidad and Tobago	...
French West Indies	1,895
Netherland Indies	7,066
French Oceania	14,371
Madagascar	15,548
Total	68,238

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags—Detained.	Bags—Entered.
Anise	...	100
Belladonna	19	19
Caraway	...	174
Cardamom (cases)	...	703
Celery	...	61
Coriander	1,000	22,193
Cumin	2,601	4,194
Digitalis leaves (cases)	...	...
Dill	...	6,541
Fennel	...	800
Henbane leaves (bales)	...	...
Mustard	...	2,406
Poppy	...	250
Sage leaves (bales)	...	2,946
Sesame	150	360
Stramonium	...	...
Thyme	197	297

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Price Changes

Advanced

Arnica flowers, $1 per lb.
Anise, Mexican, ¼c. per lb.
Buchu leaves, 2c. per lb.
Caraway seed, Dutch, 8c. per lb.
Celery seed, Indian, ½c. per lb.
Cassia, Batavia, No. 1 regular, 1c. per lb.
shortstick, 1c. per lb.
Cinnamon, Ceylon, No. 2, 1c. per lb.
No. 3, ¾c. per lb.
Ginger, African, ½c. per lb.
Marjoram, French, 2c. per lb.
Pimento, Jamaica, 1½c. per lb.
Mexican, 1c. per lb.
Poppy seed, Dutch, 2c. per lb.
Turkish, 1c. per lb.
Pepper, black, Lampong, ⅝c. per lb.
white, Java Muntok, ¼c. per lb.
small berry, Muntok, ½c. per lb.
Peru balsam, 5c. per lb.
Rosemary leaves, 2c. per lb.
Sage, stemless, ground, 10c. per lb.
Senega root, 5c. per lb.

Reduced

Anise, star, 2½c. per lb.
Horehound herb, 3c. per lb.
Mustard seed, Calif., yellow, 1c. per lb.
Montana yellow, ½c. per lb.
Roumanian yellow, ½c. per lb.
Nutmegs, West Indian, ½c. per lb.
Pepper, red, chillies, Japanese, ½c. per lb.
Soap bark, whole, ½c. per lb.
powdered, 1c. per lb.
Thyme herb, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
250.0	238.3	224.8	190.5

Market news that may have developed after this report was sent to press will be found on page 4.

Berries

Cubeb.—Very firm. Transport from source to spot affected by shortage in shipping space. Prices well maintained. Moderate supply.

Raspberries.—Still offered in moderate quantities at steady prices.

Flowers

Arnica.—Nominal around $5 per pound. No unsolicited offerings. Replacement impossible on basis of known conditions.

Lavender.—No important spot reserve in view of replacement uncertainty. Prices steady to firm.

Association Meetings:—
Amer. Spice Trade Ass'n, May 12-14 (Tentative), New York.

CHECK THIS LIST
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Malva.—Very firm market on moderate stocks still unsold.

Safflower. — Apparently steady. Transport of new supplies subject to shipping conditions arising from war.

Saffron.—Spanish flowers steady. Not especially active. Mexican selling at firm prices.

Gums

Aloe.—Very firm. Shipping space at a premium from primary markets. Prices well maintained.

Arabic.—Situation lacks new developments. Future of values hinges on availability of steamers to fetch ample primary market stocks to spot. Needs being cared for here. December, 1940, imports totaled 715,826 pounds.

Camphor.—Steady to firm. Domestic synthetic well engaged as to future production. December, 1940, imports totaled 66,138 pounds of crude; 79,090 pounds of refined; and no synthetic.

Karaya.—Firm. Under good request. No price shading. December, 1940, imports totaled 1,044,544 pounds.

Tragacanth. — Future of prices still depends on shipping being available to transport ample primary market stocks to spot. December, 1940, totaled 44,357 pounds from Iraq and 312,052 pounds from Iran.

Herbs and Leaves

Buchu.—In very fair supply at 55c. to 56c. per pound.

Horehound.—Easier and lower at 12c. to 13c. per pound. Fairly cheap goods offered by Moroccan shippers' agents.

Marjoram.—French higher at 58c. to 59c. per pound.

Rosemary.—Firmer at 13c. to 14c. per pound.

Sage.—Dalmation garden variety offered at $1.40 to $1.50 per pound, nominal. Stemless, ground, higher at $1.50 to $1.60 per pound. No Spanish avialable.

Miscellaneous

Cantharides. — Very firm. Russian in practically nominal supply. Sellers highly reserved.

Dragon's Blood.—Very firm. Shipping space scarce at source. Fair demand.

Ergot.—Arrivals fail to bring lowering of prices.

Irish Moss.—Sellers reserved. Stocks conservative. Needs met.

Manna. — Purely nominal position for natural item. Synthetic material available in ample quantities at very low prices.

Roots

Belladonna.—In light supply. Prices subject to confirmation.

Dandelion. — New sources must supply consumer needs this year.

Golden Seal.—Quiet and fairly easy. Light demand.

Mandrake.—Some doubt concerning collection and cost thereof this year.

Senega.—Hold spot at 90c. to 95c. per pound. Firm.

Valerian.—Future of prices depends on negotiations now afoot. Purely nominal for present. Tendency downward at the moment.

Seeds

Anise.—Mexican a small fraction higher at 22½c. to 23c. per pound. Star down to 19c. to 19½c.

Caraway.—Very small unsold supply of Dutch held at 58c. to 60c. per pound, being up sharply.

Celery.—Indian up to 35½c. to 36c. per pound as supply drops.

Mustard.—California yellow shaded to 15½c. to 16c. per pound. Montana yellow down to 11c. to 11½c. Roumania yellow, 15c. to 15½c. Substantial acreage in domestic harvest hoped for.

Poppy.—The little stock of Dutch still available valued higher at 38c. to 40c. per pound. Turkish up to 33½c. to 34c.

Spices

Cassia.—Higher. Batavia No. 1 thin quill, 16½c. to 17c. per pound; No. 1 regular, 17c. to 17½c.; shortstick, 13½c. to 14c.; broken, 11c. to 11½c.

Cinnamon. — Up sharply to 16¾c. to 17¼c. per pound for No. 2 Ceylon; No. 3, 16¼c. to 16¾c.

Ginger.—New crop Jamaica offered. Medium about 13.80c. per pound, duty paid, first cost, Bright grinding, 12.90c.. same conditions. African shaded to 7¼c. to 7¾c.

Nutmegs.—West Indian lower at 9c. to 9½c. per pound.

Pepper.—Tendency upward. Lampong, 4.60c. to 4.80c. per pound. White, Java Muntok, 8¾c. to 9¼c.; small berry Muntok, 8¾c. to 9¼c. Chillies, lowered to 19c. to 19½c. for Japanese.

Trading in black pepper futures on the New York Produce Exchange from February 15 to February 21, inclusive, comprised 341 contracts, a total of 11,457,600 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
May	4.90	4.49	4.78@4.82
July	4.96	4.42	4.86@4.88
September	5.05	4.50	4.91@4.95
December	5.15	4.65	5.03@5.05

Pimento.—Advanced spot to 27c. to 27½c. per pound for West Indian. Mexican, 12c. to 12½c. Prompt from West Indies, last heard of around 25½c. but possibly higher now. Mexican, prompt, 11¾c.

Plant Science Seminar To Meet at Cranbrook

The nineteenth annual plant science seminar will be held at the Cranbrook Institute of Science, Bloomfield Hills, Mich., during the week of August 11-15. Some of the country's leading pharmaceutical botanists and pharmacognosists will appear as speakers on the program. J. Russell Anderson, 15851 Evanston avenue, Detroit, Mich., is secretary.

Research Evaluations at Printing-Ad Clinic

—Continued from page 3

the result of some degree of organized research its place in industry need not be questioned. The measurement of its productivity is not so simple because the criterions are rather indefinite units, but one suggested measure is the amount of capital required for this exploitation and when that drops below a certain ratio to the research expenditures. the program and the performance of the laboratory should be examined closely.

Dr. Landis's commentary will be published in full in OPD (see page 3).

Market Research

Research in markets, said Elmo Roper, market analyst for Fortune Surveys, is the first in a search for markets. He felt that the term should imply that, but that too ofen it did not. He said that public opinion surveys, which had their origin in marketing surveys, have shown that if one goes directly to the force which causes things to happen —the people themselves—he is pretty apt to learn enough about what they want and how they feel to get sound clues as to what is going to happen in any democracy where the people themselves have an opportunity to turn their desires into action. Marketing surveys and public opinion surveys are based on the theory of sampling.

It was found by experiment, Mr. Roper said, that if one could determine what constituted a proper cross-section of the public and if one were shrewd enough to figure out what questions to ask the public, the people themselves were perfectly willing to tell why they were not buying a manufacturer's goods in the quantities which might make him happy. The questions for a satisfactory technic for sampling public opinion are:—

1. How can one be sure that he can select a sample of the population which will be truly representative of the universe to be measured?
2. How can one ask the kind of question which will let the public thoroughly understand what is wanted so they can give answers that mean something?
3. How can the actual field work best be done?

The need for marketing research has increased as the corporate life of the nation increased. Instead of manufacturers putting out a line of merchandise and saying to the public in effect, "You'll buy what our designer designed and what our production department can make easily, or else," the situation has been reversed and it is the public's turn to say to the manufacturers, "You'll make what we want, in the shape we want, in the color we want, and sell it at the price we want to pay or else we exercise our inalienable right to refuse to buy your goods."

Product Research

In contrast with many other research activities, organized and directed research efforts in the field of printing inks comprise a relatively new undertaking, said William F. Talbot, research director for the General Printing Ink Corporation.

Early printing inks were borrowed from the allied arts of painting and decorating and were not basically different in principle from many printing inks in use today. The improvements until relatively recently were embodied through hit and miss experimentation or continued generous borrowing from the associated arts.

One of the first industrial fields to be thoroughly organized for research was the coaltar industry. Through this related research many contributions to printing ink were made, particularly in the direction of brighter, stronger and a wider range of colors. More recently printing inks gained through research on the vehicles of paint and varnish. The early technical efforts directly related to printing inks were undertaken without the benefit of professional research. The first chemists employed in printing ink research were relegated to testing and color matching and were hampered by lack of modern organized laboratories and the benefits of collaboration and planning. This situation has been gradually remedied until today well planned and balanced programs have replaced the earlier sporadic efforts.

It is difficult to evaluate research results, Mr. Talbot said; and it is generally recognized that research programs must be viewed in terms of long-range overall results. The graphic arts have benefited from printing ink research in such directions as greatly increased printing speeds; marked improvement in reproduction; gradual improvement in such qualities as scratch and rub resistance, and resistance to adverse conditions such as alkali, light, and aging; and elimination of complaints such as plate wear and fill-up. In the field of new developments, still further improvements may be expected in regard to printing speeds particularly in the field of flat-fed printing which has fallen behind web-fed rotary; increased replacement of natural products by synthetic; and many advances in fundamental information concerning the relationship of various ink properties to the particular printing processes. Where this latter information may lead is of course impossible to predict although it is safe to say that its net result will be improvement in some respect.

Barry Is President Of Drug Club

—Continued from page 4

The board of governors for 1941 will be composed of Thomas R. Farrell, of *Drug and Cosmetic Industry;* Francis J. McDonough, of New York Quinine & Chemical Works; E. C. Otto, of Charles Pfizer & Co., and J. J. King, R. T. Marshall and W. J. Reynolds, all re-elected.

Chairman of several committees were named as follows:—House, F. A. Christen, of the Continental Insurance Company; membership, J. J. King, of the Hooper Homes Bureau, Inc.; art and entertainment, Robert B. Magnus, of Magnus, Mabee & Reynard, Inc., and finance, H. B. Lamy, jr., the retiring president, Mr. Lamy, tendered a dinner in honor to his successor.

International Paper Company, this city, has filed an amendment with the Securities and Exchange Commission reducing amount of first mortgage bonds registered from $32,000,000 to $250,000.

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Essential Oils, Aromatic Chemicals

Far Eastern Crisis Strengthens All "Down-Under Oils" — Cassia and Anise Rise Sharply Here—California Orange Advanced — Lime Higher and Scarcer — Fair Trading

Far Eastern essential oils occupied front row seats in the market arena last week. Political and martial developments "down under" served seriously to curtail opportunities for local importers to do business in the several primary markets. Transport cost of much merchandise was on the rise. Shipping bottoms due for passage to the United States were increasingly difficult to find. Combined, the factors could do nothing less than strengthen prices, or advance them.

Anise and cassia came in for sharp advances. It was difficult to establish a spot quotation that might be considered firm for much longer than it took to make the same. In the case of cassia, absence of high test oil at the source forced buying of low test goods when available, with the consequent increase in cost of producing redistilled oil in this market. Inability to get Madagascar clove from the source turned some manufacturers to cinamon leaf oil and increased demand was added to the other strengthening factors. Vetiver, cananga, patchouli, cajeput, etc., all marched in the procession of definitely stronger materials.

Domestic oils also showed strength. While peppermint and spearmint prices were not advanced further, the underlying surface of the market was one of strength and further advances would not surprise. Others were steady to firm without developing any special new angle as to future trend.

Price Changes

Advanced

Anise, 10c. per lb.
Cassia, 20c. per lb.
Lime, distilled, 25c. per lb.
expressed, 50c. per lb.
Orange, California, 25c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
173.9	173.6	171.3	96.6

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Sweet strong. In low supply. In fair request. Hard to replace.

Amber.—Quiet but firm. In routine request.

Amyris.—Slow but steady market. No competition. Moderate stock.

Apricot.—Very firm. No surplus stock. Moving in fair volume.

Anise.—Higher at 85c. to 90c. per pound. Sellers reserved. Far East situation fails to improve prospects for normal replacements.

Bay.—Jobbing business good and steady at well held prices.

Bergamot. — Needs being supplied mainly from stocks of artificial material. Little or no natural oil available. Firm.

Birchtar.—Firm. In low supply. Hard to replace. Tending higher.

Bois de Rose. — Firm based on slow replacement arrival and upward tendency of values.

Cajeput.—Routine demand. Fully firm prices. Little competition.

Camphor.—Steady to firm. In good request. Moderate stocks here.

Cananga.—No open market offerings reported. Hard to get goods from source.

Capsicum (Oleoresin). — Firm in price. Fair in demand. Production cost maintained by raw material position.

Caraway.—Next to nothing obtainable. Entirely nominal spot market.

Cassia.—No high test oil offered from source. Market strong and rising. Spot up to $1.85 to $1.90 per pound. Said to be going higher. Caused by Far East situation relating to Japan and the war.

Celery.—Strong. No heavy call. Only limited supplies.

Citronella.—Strengthening in keeping with Far East situation. Java oil so cheap that sales of Ceylon have been blocked. Also, shipping space from Ceylon very scarce.

Clove.—Firm to strong. Raw material highly uncertain. Good call.

Coriander. — Advance maintained. Plentiful arrivals of seed noted at fair prices. Fair request for oil.

Dill.—Firm to strong. In good request and low supply.

Geranium.—Entirely nominal market. Substitutes getting good call.

Juniper.—Practically extinct. Cost of domestic distillation very high.

Lemon.—Firm and active along seasonal lines. California producers strive to care for practically all domestic needs. Prices kept well stabilized.

Lemongrass. — Steady to firm. Strengthening due to Far Eastern situation. Transport slow from source. Space hard to get.

Lime.—Stocks shrinking. Distilled, $5.50 to $5.75 per pound. Expressed $8.50 to $8.75. Tendency strongly upward.

Mustard. — Artificial very steady. Apparently fully stabilized. Demand normal.

Nutmeg.—Firm but not more than routine in activity. Very firm.

Orange.—California producers raise prices to $2.25 per pound minimum. First change since June, 1940. Very firm under excellent call.

Patchouli.—May rise due to Far Eastern scarcity of freight space.

Peppermint.—Firm at late advances. Strongly held. Carryover to be moderate. Exports in January totaled 25,391 pounds. United Kingdom largest buyer, taking 10,253 pounds. Canada next with 6,649 pounds.

Petitgrain.—Steamer service poor from source. Very steady item.

Pineneedle.—Firm. Activity routine. Moderate reserves.

Rosemary. — Firm. Replacements slow and uncertain. Fair call.

Sandalwood. — Sellers manage to keep buyers' needs covered. Firm.

Savin.—Hard to get. Market nominal.

Spearmint.—Firmly held. January exports totaled 1,509 pounds. Stocks moderate and in strong hands. Price tendency upward.

Sweet Birch.—Good movement at firm prices. Interest normal.

Tansy.—Moderate activity. Steady prices.

Thyme.—Strong position. Replacement slow and uncertain. Fair spot demand. Moderate stocks here.

Aromatic Chemicals

Ethyl Vanillin. — Firm. Moving normally. In good supply.

Eucalyptol. — Request very good. Undertone and price steady.

Eugenol.—Strengthening in keeping with raw material situation.

Geraniol.—Fair activity. Steady to firm prices. Outlook good.

Geranyl Acetate.—Good movement at full prices.

Geranyl Formate. — More inquiry and some gain in sales. Steady prices.

Geranyl Propionate.—Steady. Movement gains some. Prices firmer.

Heliotropin.—Firm. Stocks of foreign origin limited. Cannot compete with domestic goods in quality.

Hyacynth Geraniol.—Irregular demand for jobbing lots at steady price.

Hydroxycitronellal.—Steady to firm. Under very good call. Some say sales have upped.

Indol.—Practically nominal in absence of normal supplies. Would fetch around $30 according to some.

Isobronyl Acetate.—Moderate needs noted. Steady prices maintained.

Isobutyl Acetate.—Movement normal in volume. Market steady.

Isobutyl Benzoate.—Rather more inquiry. Little gain volume.

Isoeugenol.—Strength derives from stronger position basic materials. Demand about normal.

Isosafrol.—Firm and gaining steadiness. Demand sustained.

Linalool.—Very good interest. Likely to grow. Prices show firmer trend.

Linalyl Acetate.—Demand running comparatively high. Firm undertones gaining strength steadily.

Methyl Acetophenone.—Inquiry and sales along routine lines.

Methyl Anthranilate.—Needs filled promptly. Firm prices.

Methyl Benzoate.—Consumption at normal volume. Steady undertone.

Methyl Cinnamate. — Call slightly less active. No weakening of market.

Methyl Heptenone.—Fairly dull. No easing of values.

Methylhexyl Ketone. — Apparently well stabilized on fair demand.

Methylnaphthyl Ketone.—Steady to firm under normal request.

Methyl Phenylacetate.—Slow, steady consumption at full prices.

Methyl Salicylate.—Fully steady at highly stabilized prices.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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Musk.—Leading makers of synthetic item report steady, fully stable market. Demand normal and well maintained.

Nerolin.—Quiet. Steady. Fair supply. Future needs encouraging.

Novoviol.—Entire group showing firmness and strength.

Paracresol Methyl Ether.—Entirely routine demand. Firm.

Paracresyl Acetate.—Movement at normal size. Prices steady.

Pelargol. — Interest good. Prices steady. Little competition.

Phenyl Acetaldehyde. — Moderate stocks held at very firm prices.

Phenylacetic Acid.—Steady and fully stabilized. In good reserve.

Phenylethyl Acetate.—Inquiries and sales upped moderately.

Phenylethyl Alcohol.—Steady call. Future needs being anticipated.

Phenylethyl Butyrate.—Steady jobbing demand. Firm, steady undertone.

Phenylethyl Propionate. — Some slackening in large unit buying.

Phenylethyl Valerianate. — Quiet. Stabilized. Trade normal.

Harry A. Haus, formerly director of sales for George W. Luft Company, cosmetic manufacturer, this city, has been elected vice-president.

Priority Procedure Explained by OPM

—*Continued from page* 3

will continue to issue priority orders to primary and first subcontractors on items on the critical list, while OPM will handle all other priority orders. When priorities are invoked, the proper agency will issue preference ratings for various contracts to determine the order in which they are to be filled, and this order of delivery must be followed regardless of the date of receiving other military or civilian contracts for materials.

Procedure in making applications for priority certificates is outlined as follows:—

On prime army or navy contracts ratings will be assigned by the contracting officers with respect to direct army and navy procurement. If a priority rating has not been obtained at any time by a government supplier and he believes that a rating is necessary, he may request that a certificate be issued by the contracting officer or inspector with whom he is in contract.

If the prime contractor wishes that this rating be extended to his subcontractors, he should ask the army or navy inspector, or contracting officer, to fill out a priorities certificate. The army or navy official will only approve such an extension if the item purchased from the first subcontractor is on the critical list ("List of Items Eligible to Receive Preference Ratings"), and in no case will an extension of the rating be approved by these officers below the first subcontractors (those who sell their products directly to the prime contractor) or for any items not on the critical list.

On all other contracts and orders, including army or navy subcontractors below the first line, before making application for a priority rating every effort should be made to arrange for delivery of materials and equipment on the required dates through the use of commercial channels. Readjusting schedules, making full use of machinery, subcontracting, substitute materials and processes are also urged. If these means fail, applications should be made to the director of priorities on the prescribed form. These forms may be obtained from all Federal reserve offices and from army and navy field procurement and inspection officers or from the Director of Priorities, New Social Security building, Washington.

The application form requires that the applicant substantiate his claim for preference rating to avoid harm to other parts of the defense program. When the application is received by the office of the director of priorities, it will be administered by the group executive in charge of the particular material and checked with the purchase and production divisions for alternative solutions. The decision of all group executives will be routed through the central office to insure coordination. Priority certificates will be issued by the director of priorities.

In general the priorities division will seek to avoid the imposition of priorities wherever such imposition would needlessly conflict with civil and private activity, and, insofar as possible, action will be withheld until an actual shortage in connection with defense is imminent.

Requests for further information should be directed to the Director of Priorities, New Social Security building, Washington.

M.M.&R. Host To Gilpin Sales Staff

Magnus, Mabee & Reynard, Inc., aromatic chemicals and essential oils, this city, tendered a dinner party in the Hotel Pennsylvania last week to the sales staff of the Henry B. Gilpin Company, Baltimore, upon conclusion of the sales conference of the Gilpin organization held annually in this city.

Petroleum Products

Crude Scale Paraffin Is Advanced as Scarcity Develops —Heavy Demand for Solvents and Naphthas Remains —Pennsylvania 600-650 Cylinder Oil Advanced

Crude scale paraffin supplies became slightly less available last week and refiners who had stocks on hand boosted prices. Refined grades were unchanged. Solvents and naphthas remained in heavy demand, for the most part, and shipments were in large volume. Aromatic naphthas were very scarce and some types were unattainable. Lighter fractions were firmly maintained, with the heavy demand for butane and propane buoying the market. The latter two materials were not offered freely, due to scarcity. Petrolatums and white mineral oils remained quiet but firm. Pennsylvania cylinder oils were showing strength and the 600-650 steam refined was advanced. Gasoline and kerosene were steady.

Price Changes

Advanced

Oil, lubricating, cylinder oils, 600-650 s.r., ½c. per gal., Pa. refineries.
Paraffin, crude scale, white, 20 points per lb.
yellow, 20 points per lb.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas. — Heavy demand. Scarce. Some grades unavailable. Prices firm.

Cleaners' Naphthas. — Good call. Prices steady.

Lacquer Diluent. — Normal movement of stocks. Price firm.

Mineral Spirits.—Demand insistant. Prices unchanged.

Rubber Solvent.—Paint and rubber manufacturer's ordering satisfactorily. Price firm.

Stoddard Solvent.—Shipments better than normal. Price steady.

V. M. & P. Naphtha.—Better inquiries. Tone stable.

Markets at Other Centers

Chicago—Feb. 21

Petroleum solvent and diluent material is irregularly improved in some respects and just about marking time in others. Mineral spirits have recorded a better feeling. V. M. & P. market activity is better. Other products are routine.

AROMATIC NAPHTHAS.—Good demand, prices strong.
CLEANERS' NAPHTHA.—Improved interest, market firm.
LACQUER DILUENT.—Orders fair. Quotations holding.
MINERAL SPIRITS.—Orders moderate, prices unchanged.
RUBBER SOLVENT.—Buying draggy, market steady.
STODDARD SOLVENT.—Interest good, steady prices.
V. M. & P. NAPHTHA.—Stable demand, quotations firm.

New Orleans—Feb. 21

In line with the usual trend of the domestic market on cleaning solvent and V. M. & P. naphtha little activity was noted and prices continued steady, with no shipments for export.

CLEANING SOLVENT.—Demand normal; price unchanged.
V. M. & P. NAPHTHA.—Demand routine; no change in price.

San Francisco—Feb. 21

January sales in the petroleum specialties business were larger than in January, 1940. An excellent demand was seen for aromatic naphthas last week. Trade in thinners and solvents good.

AROMATIC NAPHTHAS.—Demand excellent.
CLEANERS' NAPHTHA.—Routine, bordering on slowness.
PETROLEUM THINNERS.—Market active, shipments maintained in good volume.
LACQUER DILUENT.—Airplane industry giving market a sustaining influence.
V. M. & P. NAPHTHAS.—Market active.
RUBBER SOLVENT.—Demand good.
STODDARD SOLVENT.—Good interest.

Tulsa—Feb. 21

More active market was found in specialties this week. There was a greater number of buyers bidding for material, with rubber solvent and V. M. & P. naphtha most in demand. Prices remained unchanged but the tone of the market was more bouyant.

CLEANERS' NAPHTHA.—More activity. Prices firm.
STODDARD SOLVENT.—Inquiries increasing. Prices steady.
RUBBER SOLVENT.—Greater trading. Quotations firm.
V. M. & P. NAPHTHA.—Paint manufacturers bidding more actively. Quotations unchanged.
LACQUER DILUENT.—Buyers more active. Quotations unchanged.

Lighter Fractions

Butane.—Heavy demand. Offerings limited. Supplies scarce. Price strong.
Heptane. — Normal interest. Price firm.
Hexane.—Routine movement. No change in price.
Octanes.—Fair call. Firm.
Pentanes.—Improved demand. More inquiries. Price steady.
Propane. — Heavy demand. Stocks low. Price strong.

Markets at Other Centers

Chicago—Feb. 21

Lighter petroleum fractions continue to give a firmer market performance, with buying of butane and propane the feature. Other products are quiet but the market as a whole is in quite a healthy position, it appears.

BUTANE.—Buying active, prices firm.
HEPTANE.—Routine demand. Market steady.
HEXANE.—Offerings moderate. Quotations unchanged.
PROPANE.—Interest active, market firm to better.

Tulsa—Feb. 21

A broadening of inquiries in the light fractions featured the market this week, particularly in propane and butane. Quotations, however, are unchanged.

BUTANE.—Larger orders, prices strong.
PROPANE.—Greater demand. Quotations firm.
PENTANE.—More inquiries. Prices unchanged.

Petrolatums and Waxes

Paraffin.—Crude scale advanced 20 points per pound. The 122-24 a.m.p. was quoted at 2.70c. to 2.80c. per pound and the 124-26 was offered at 2.70c. to 2.85c. Yellow was at 2.70c. Refined grades were unchanged.

Petrolatums. — Small-lot buying for immediate needs featured the market. Prices were firm.

White Mineral Oils. — Fair call. Prices firm.

Markets at Other Centers

Chicago—Feb. 21

Quiet market conditions prevailed in petrolatums and waxes. Market price levels were indicating continuation of recently noted conditions in paraffins, with buyers cautious. Petrolatum business is showing no special expansion. White minerals are slow.

PARAFFINS.—Movement fair, prices unchanged.
PETROLATUMS.—Moderate orders, market steady.
WHITE MINERAL OILS.—Orders restricted, market price unchanged.

Tulsa—Feb. 21

Some pickup in demand for waxes is noticeable but buyers, seeking concessions, limit trading. Refiners forcing higher quotations lend a firm tone to the market.

PARAFFIN.—Inquiries increasing. Prices stronger.
PETROLATUM.—Market quiet. Quotations unchanged.

Fuels and Lubricants

Gasoline.—Consumption good. Prices firmer.

Kerosene. — Good demand. Prices steady.

Lubricating Oils.—Pennsylvania 600-650 steam refined cylinder oils advanced ½c. per gallon to 8½c. to 11c. Other prices firm.

Markets at Other Centers

Chicago—Feb. 21

Better tone in gasoline has followed restrictions of offerings. Kerosene business is improving. Lubricating oils are showing firmness.

New Orleans—Feb. 21

Market conditions and prices on gasoline and kerosene continued unchanged. Little activity noted.

Tulsa—Feb. 21

A pickup in demand for gasoline firmed the market. The demand for kerosene is increasing and quotations are firmer.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Association Meetings:—
Liq. Pet. Gas Ass'n, Feb. 24-25, Chicago.
Nat. Pet. Ass'n, April 25-26, Cleveland.

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(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Bis-(2-ethylbenzothiazole-1)-heptamethincyanin Iodide

Photographic

Claimed (Brit. 485623 and 503337) as—
Valuable light filter
Sensitizer (Brit. 485623 and 503337) in—
Photographic emulsions to light of wavelength greater than 10,000

4:4′-Bis-(para-anilinesulphoamido)diphenylamine

Pharmaceutical

Claimed (Brit. 502173) as—
Therapeutically valuable product for treating bacterial infectious diseases

1:3′-Carboxy-1:4′-sulphophenyl-3-heptadecyl-5-pyrazolone

Photographic

Nondiffusible color-former (Brit. 502665) in—
Color photography

10-Deltadiethylamino-alphamethylbutylamino-7-methoxy-3-isopropoxyacridin Citrate

Pharmaceutical

Claimed (Brit. 441007, 441132, and additional to Brit. 363392) as—
New pharmaceutical

Hexitol Anhydrides

(Mixtures of monoanhydro hexitols (hexitans) and dianhydrohexitols (hexides). They are neutral, water-soluble, distillable compounds of sweet, rather sharp taste. The commercial products are colorless to pale straw, hygroscopic viscous liquids, comprising mixtures of several isomers. Certain pure individuals are crystalline. The hexides are less viscous, more volatile, and more soluble in organic solvents than hexitans.)

Adhesives

Flexibilizer, humectant, and plasticizer in—
Animal adhesives
Dextrin adhesives
Envelope adhesives
Gum-base adhesives
Label adhesives
Library adhesives
Office adhesives
Stamp adhesives
Starch pastes
Vegetable adhesives

Cellulose Products

Flexibilizer for—
Cellulose products
Humectant for—
Cellulose products

Chemical

Conditioning agent, or humectant, in—
Chemical products
Chemical specialties
Starting point in synthesis of—
Emulsifying agents
Plasticizers
Solvents
Surface-active esters

Cosmetic

Suggested humectant in—
Creams and other cosmetics

Electrical

Suggested humectant in—
Condensers

Fats, Oils, and Waxes

Humectant
Starting point in synthesis of—
Waxes

Glue

Flexibilizer for—
Gelatin Glue
Humectant for—
Gelatin Glue
Plasticizer for—
Gelatin Glue

Gum

Flexibilizer for—
Gums
Humectant for—
Gums
Plasticizer for—
Gums

Leather

Suggested as conditioning agent and humectant in—
Dressing Finishes

Miscellaneous

Conditioning agent
Flexibilizing agent
Humectant
Plasticizer
Softening agent

Paint, Varnish, and Lacquer

Flexibilizer and humectant for—
Sizes and pastes

Paper

Humectant for—
Food-wrapping paper
Paper and paper products
Wrapping paper

Printing

Suggested as flexibilizer for—
Printers' rollers
Suggested as humectant for—
Printers' rollers

Resins

Process material in synthesis of—
Resins

Rubber

Suggested as humectant for—
Rubber goods

Soap

Suggested as humectant for—
Soap Soap products

Textile

Conditioning agent for—
Dressings Sizes
Fabrics Waterproofings
Finishes Waxes
Pastes
Humectant for—
Dressings Sizes
Fabrics Waterproofings
Finishes Waxes
Pastes
Softener for—
Dressings Sizes
Fabrics Waterproofings
Finishes Waxes
Pastes

Tobacco

Conditioning agent for—
Tobacco Tobacco papers
Humectant for—
Tobacco Tobacco papers

Hydroxybehenic Acid

Chemical

Reactant in—
Organic syntheses
Starting point (Brit. 416631) in making—
Nitriles, with ammonia

Methyl-N-Amyl Ketone

Cellulose Products

Solvent for—
Nitrocellulose

Chemical

Solvent offering following characteristics—
Colorless liquid
Miscible with the usual lacquer solvents
Stable
Toluol dilution ratio of 3.9 with half-second nitrocellulose
Very slightly soluble in water

Paint, Varnish, and Lacquer

Solvent for—
Alkyd resins Vinylite resins
Nitrocellulose
Solvent in—
Coatings Lacquers
Dopes Paints
Enamels Varnishes

Resins

Solvent for—
Alkyd resins Vinylite resins

Mono-octyl Suberate

Lubricant

Claimed (Brit. 500222) as—
Cutting oil base
High-pressure, thin-film lubricant for incorporation in suitable vehicles (hydrocarbon oils for greases)

Paratolylvinyl Ketone

Resins

Starting point (Brit. 484599) in making—
Polymerized products useful as resins

Tetrolic Acid Isopropylbutylester

Chemical

Dispersing agent (Germ. 626880) in making—
Emulsions of various chemicals
Textile lubricants in emulsified form

Cosmetic

Dispersing agent (Germ. 626880) in making—
Emulsified cosmetics

Fats, Oils, and Waxes

Claimed (Germ. 626880) as powerful emulsifier for—
Fats Waxes
Oils
Dispersing agent (Germ. 626880) in making—
Emulsified boring oils
Emulsified drilling oils
Emulsified fat-splitting preparations
Emulsified fatty acids of animal or vegetable origin
Emulsified greasing compositions
Emulsified greasing and lubricating composition containing various vegetable and animal fats and oils
Emulsified preparations of natural or synthetic waxes
Emulsified sulphonated oils
Emulsified wire-drawing oils
Emulsions of animal and vegetable fats and oils

Leather

Emulsified dressing compositions
Emulsified fat-liquoring baths
Emulsified finishing compositions
Emulsified soaking compositions
Emulsified waterproofing compositions
Dispersing agent (Germ. 626880) in making—
Emulsified compositions for softening hides

Miscellaneous

Dispersing agent (Germ. 626880) in making—
Automobile polishes in emulsified form
Emulsified furniture polishes
Emulsified greasing compositions
Waterproofing compositions in emulsified form

Paint, Varnish, and Lacquer

Dispersing agent (Germ. 626880) in making—
Waterproofing compositions in emulsified form
Wax finishes in emulsified form

Paper

Dispersing agent (Germ. 626880) in making—
Emulsified compositions for sizing paper and pulp articles
Emulsified compositions for waterproofing paper and pulp compositions and paperboard
Waxing compositions in emulsified form

Petroleum

Dispersing agent (Germ. 626880) in making—
Emulsified mineral oils
Kerosene emulsions
Naphtha emulsions
Soluble greases in emulsified form
Solubilized emulsified oils and distillates
Various textile oils in emulsified form, such as rayon oils

Soap

Dispersing agent (Germ. 626880) in making—
Emulsified detergents, containing soaps, used for various purposes
Emulsified hand-cleansing compositions containing soap
Emulsified textile soaps

Textile Finishing

Dispersing agent (Germ. 626880) in making—
Emulsified coating compositions
Emulsified sizing compositions
Emulsified washing compositions
Emulsified waterproofing compositions
Emulsified waxing compositions

Manufacturing

Dispersing agent (Germ. 626880) in making—
Emulsified baths for degumming and boiling-off silk
Emulsified baths for soaking silks
Emulsified compositions used for degreasing raw wool
Oiling emulsions for various textile purposes

Thallium Malonate

Analysis

Flotation agent in determining—
Density of mineral specimens (said to offer advantages when samples are small)

Mining

Flotation agent in separating—
Silver, gold, platinum, and other metals from their ores (said to offer advantages in treating ores where the metal is in the free state)
(See also "Analysis" above).

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Fertilizer Materials

Changes in General Market Confined to Nitrogenates—Tankage, Cottonseed Meal and Chicago Blood Lower—Blood Up at New York—1940 Imports and Exports Decline

Price changes in the market for raw fertilizer were confined to the nitrogenate division last week. Principal revision was in the market for tankage where the feed grade was reduced both at New York and Chicago and the fertilizer grade at the latter point. Domestic blood was reduced in the Midwest but was higher in the East. Imported blood also was increased. Unfavorable weather hindered planting operations in the South and cottonseed meal was reduced at Southeastern mills. Indictment of fertilizer manufacturers on alleged price-fixing charges as yet has failed to affect prices in the retail market.

Exports and imports of fertilizers and fertilizer materials in 1940 both were at the lowest levels of the past several years. Exports reached 1,282,743 long tons, compared with 1,395,066 in 1939. Principal changes in 1940 were a sharp rise in exports of sulphate of ammonia; moderate declines in other nitrogenates; a marked drop in exports of land pebble rock, which more than offset an increase in hard rock; larger shipments of superphosphate and a decline in potash exports. Imports fell off for the third consecutive year, dropping to 1,334,642 long tons, against 1,448,654 in 1939. Changes were larger imports of muriates and 20 percent kainit; decline in sulphate of potash and increased imports of nitrate of soda and ammonia phosphate, which were more than offset by declines in ammonia sulphate, ammonia nitrate mixtures, cyanamid, calcium nitrate and natural organics.

Nitrogenates

Ammonia Phosphate. — Demand good. Offerings few. No change in price.

Anhydrous Ammonia.—Good call. Shipments lighter than in previous week. Price unchanged.

Cyanamid.—Small movement due to scarcity. Price firm.

Dried Blood.—Advanced 10c. per unit to $2.65, f.o.b. New York. Imported product 5c. per unit higher at $2.55, c.i.f. ports. Chicago market less active and price lowered 15c. per unit to $2.85, f.o.b.

Fish Scrap.—Good demand for menhaden scrap from feed manufacturers. Offerings small, however, due to scarcity of stocks on hand. No offerings of Japanese sardine meal reported.

Nitrate of Soda. — Contract call light but showing signs of improvement. Heavier demand looked for. Price steady.

Nitrogenous Material. — Fair call. Tone stable.

Sulphate of Ammonia.—Little material available for domestic consumption. Export call heavy with price about $42 to $45 per ton.

Tankage.—Feed material lowered 15c. per unit to $2.50 and 10c. at New York and to $2.85 and 10c. at Chicago. Fertilizer grade lowered 10c. per unit to $2.40 and 10c. at New York.

Urea.—Contract call normal. Shipments regular and in fair-sized volume. Price steady and unrevised.

Potashes

Potash salts continued to move in routine fashion during the period under review. There was little interest in large shipments, most material being required only for immediate needs. Prices were steady and unrevised.

Price Changes

Advanced

Blood, dried, dom., 10c. per unit, f.o.b. N.Y.
imp., 5c. per unit, c.i.f. ports.

Reduced

Blood, dom., high-grade, grd., 15c. per unit, f.o.b. Chi.
Cottonseed meal, 8%, $2 per ton, Southeastern mills.
Tankage, dom., feeding, 15c. per unit, f.o.b. N.Y.
15c. per unit, f.o.b. Chi.
fertilizer, 10c. per unit, f.o.b. Chi.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
68.0	**68.0**	**68.0**	**67.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Phosphates

Bone Materials. — Market quiet, with both fertilizer and food buyers showing only routine interest in offerings. Prices steady and unrevised.

Phosphate Rock.—Routine movement reported. Deliveries regular but mostly in small lots. Prices steady.

Superphosphate. — Market quiet. Prices steady. Production in 1940 totaled 3,784,405 tons, compared with 3,297,502 in 1939. Shipments in 1940 totaled 4,096,643 tons, compared with 3,779,287 in the preceding year. Stocks at end of year were 1,785,445 and 1,689,997 tons, respectively.

Sulphur and Pyrites

No new developments reported during the period under review. Offerings and demand for crude sulphur were at about the same level as in the preceding week. Greater call expected in early Spring. Price steady and unchanged.

Markets at Other Centers

Atlanta—Feb. 21

The market for fertilizer materials is sluggish. Preparations for Spring planting are hindered by unfavorable weather. The 8 percent cottonseed meal is $2 per ton lower.

SUPERPHOSPHATE.—55c. per unit, interior producing points.

NITRATE OF SODA.—Bulk, $27 per ton, port basis.

SULPHATE OF AMMONIA.—Limited supply at $28 per ton, port basis.

COTTONSEED MEAL.—8 percent grade, $24.60 to $25 per ton, Southeast.

BLOOD.—Imported, $2.55 per unit, ports.

TANKAGE.—$2.75 and 10c. unit, ports.

Baltimore—Feb. 21

There is little change in the market for crude fertilizer materials. The return of unusually cold weather tended to retard buying.

FISH SCRAP.—All stocks of scrap in first hands at the North Carolina factories are stated to have been cleaned up, and no further transactions were noted. Menhaden meal is being offered at $56 to $58 tons, but with buying interest limited.

SUPERPHOSPHATE.—Sales very limited. Quotations unchanged at $8 per ton for run-of-pile, and $8.50 for 16 percent flat material.

TANKAGE.—Inactivity prevails. Last sales reported at $2.50 and 10c. per unit-ton for unground supplies.

DRIED BLOOD.—Market quiet, with last business done at $2.65 per unit-ton for domestic supplies, f.o.b. New York. South American material can be obtained at $2.55 per unit-ton, c.i.f.

SULPHATE OF AMMONIA.—Further trading at $45 per ton is reported, with the demand quite good.

Chicago—Feb. 21

Firm market tone is continuing. Buyers are interested in moderate amounts of material and volume of products moving is reported good. Blood and tankage are lower. Bone materials show little change, with most orders in small lots.

BLOOD.—Principal grade, $2.85 per unit.

TANKAGE.—High grade, feeding, $2.85 and 10c.; liquid stick, $1.50 to $1.60; hoof-meal, $2.75 to $2.80.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $38 to $40; 3 and 50 percent, $32 to $33; 4½ and 50 percent, $32 to $33; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $30 to $35; beef cracklings, soft pressed, $32.50 to $35; pork cracklings, soft pressed, $35 to $37.50; hard pressed cracklings, per unit of protein, 60c. to 62½c.

San Francisco—Feb. 21

All varities of crude fertilizer materials continued in very bouyant tone. Scarcity had developed in many items. Nitrate of soda is having a good play because of the absence of supply of other nitrogenous materials.

SULPHATE OF AMMONIA.—Lots on resale market reported at $47.50 per ton, bagged. Bulk, $45.

SUPERPHOSPHATE.—80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c.

NITRATE OF SODA.—Bags, $28.70 per ton, ex vessel or warehouse. Bulk lots, $27.

FISH MEAL.—Stronger. Scarce. Spot, 67%, $58.50 per ton, f.o.b. San Francisco Bay points; 65%, $55, f.o.b. Monterey.

TANKAGE.—Strong. Stocks light and production curtailed. Wet rendered, $3 and 10c. per unit-ton, f.o.b. plant. Dry rendered, ground, 50 percent, $39.50 to $40 per ton, f.o.b. South San Francisco. Fifty-five percent, $41. Unground, dry rendered, 67½c. to 70c. per unit of protein, f.o.b. South San Francisco.

Fertilizer Tag Sales: January

	P.C. of 1940.	January—Equivalent tons— 1941.	1940.	1939.	P.C. of 1940.	July-January— 1941.	1940.	1939.
Virginia	96	32,650	34,073	39,007	96	134,384	139,510	145,337
North Carolina	130	107,548	82,683	132,355	106	215,424	198,550	239,989
South Carolina	111	50,102	45,145	52,436	113	100,908	89,090	90,275
Georgia	158	45,082	28,487	36,269	179	96,587	54,103	108,274
Florida	108	81,094	75,196	70,308	98	359,065	367,163	353,191
Alabama	128	42,900	33,600	35,950	117	60,100	51,250	44,100
Mississippi	116	63,250	54,450	19,150	84	90,913	107,615	47,032
Tennessee	...	7,658	100	2,705	229	35,126	15,369	21,531
Arkansas	150	28,550	19,050	14,550	128	36,200	28,300	20,500
Louisiana	176	38,950	22,150	20,800	107	63,064	59,162	47,370
Texas	148	20,360	13,793	13,025	128	36,653	28,645	25,389
Oklahoma	150	2,500	1,662	2,250	143	4,415	3,086	3,385
Total South	127	520,644	410,389	438,805	108	1,232,839	1,141,843	1,146,573
Indiana	18	7,761	42,125	6,419	70	117,129	147,956	114,158
Illinois	85	923	1,080	1,278	110	16,473	14,961	14,351
Kentucky	248	6,088	2,450	3,423	110	32,928	29,903	22,068
Missouri	346	7,016	2,029	1,176	140	68,414	48,894	46,729
Kansas	352	3,340	950	180	134	18,558	13,861	14,717
Total Midwest	52	25,128	48,634	12,476	99	253,502	255,575	212,203
Grand Total	119	545,772	459,023	451,281	106	1,486,341	1,397,418	1,358,596

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Soil-Building Materials Used in 1940 Set Record

OPD Washington Bureau
February 19, 1941

The Agricultural Adjustment Administration announced today that a summary of its 1940 conservation materials program shows United States farmers obtained a record amount of materials for use in carrying out AAA soil-building practices, including lime, superphosphate, Winter legume seed, and seedling trees.

The summary shows orders were placed by farmers under the 1940 program for 325,000,000 tons of liming material, 177,000 tons of concentrated superphosphate, 160,000 tons of 20 percent superphosphate, nearly 38,000,000 pounds of Austrian Winter pea seed, more than 5,000,000 pounds of hairy vetch seed, 510,000 pounds of Italian ryegrass seed, and more than 3,000,000 seedling trees.

Priorities Theme Abrasives

A story on abrasives in the February number of *Priorities*, house organ of the Prior Chemical Corporation, this city, gives a vivid hint of one reason for some of the bottlenecks in defense production. The dependence on unhurried grinding and polishing with discriminating choice of materials in producing super-efficient engines, machinery and instruments for war and for a variety of peace needs is clearly set forth. The recent development of more efficient artificial abrasives to take the place of natural products is noted and attention is given to the importance of the bonding materials.

Ammonia sulphate plant will be erected in Netherland Indies, with an annual output capacity of 45,000 tons.

FERTILIZER MATERIALS
Domestic — Import — Export
FRANK R. JACKLE
405 Lexington Ave., New York
Telephone: MU 9-9188
Cable Address: "JACKLECO"

★ Domestic MADE IN U.S.A.
THE BARRETT COMPANY
40 RECTOR ST., NEW YORK
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR

CRUDE SULPHUR
99½% PURE
Free From
ARSENIC, SELENIUM AND TELLURIUM
TEXAS GULF SULPHUR COMPANY
(INCORPORATED)
75 East 45th St., New York City
Deposits and Plants: Newgulf and Long Point, Texas

Shipping Information

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Imports at U.S. Ports

New York Imports

AGAR—20 bls, Kachurin Drug Co, Kobe
10 bls, Kachurin Drug Co, Kobe

ALUMINUM FOIL—325 cs, Standard Rolling Mills, Genoa
43 cs, New England Foil Corp, Genoa
364 cs, Brown Bros, Harrimann Co, Genoa

ANISE, STAR—20 bgs, Wah Young Co, Kobe
100 bgs, B H Old & Co, Kobe
20 bgs, Wah Young Co, Kobe

ANNATTO SEED—40 bgs, L E Ransom, Kingston
270 bgs, D Steengrafe, Kingston
180 bgs, Pablo, Calvet & Co, Kingston

ANTIMONY ORE—2,161 bgs, Banco Minero de Boliver, Antofagasta
658 bgs, Bank of Manhattan, Mollendo
952 bgs, Banco Minero de Boliver, Antofagasta
754 bgs, Banco Minero de Boliver, Antofagasta

ASPHALT—1 bg, New York & Cuba Mail S S Co, Havana

BISMUTH ORE—48 bgs, Metal Traders, Mollendo

BRISTLES—10 cs, H Rosenhirsch Co, Bombay
12 cs, Delbanco, Meyer & Co, Bombay
15 cs, N Wagman Co, Bombay
11 cs, F H Cone & Co, Bombay
7 cs, H Rosenhirsch Co, Bombay
10 cs, M Broverman & Son, Bombay
4 cs, F H Cone & Co, Bombay
4 cs, H Rosenhirsch Co, Kobe
10 cs, F H Cone & Co, Kobe
184 cs, F H Cone & Co, Kobe
50 cs, H Rosenhirsch Co, Kobe
25 cs, B J Shapiro, Kobe
25 cs, H Rosenhirsch Co, Kobe
75 cs, B J Shapiro, Kobe
25 cs, B J Shapiro, Kobe
50 cs, N Wagman, Kobe
50 cs, F H Cone & Co, Kobe
25 cs, H Rosenhirsch Co, Kobe
75 cs, B J Shapiro, Kobe
7 cs, M Broverman & Son, Kobe

CALCIUM TARTRATE—70 bgs, W R Grace & Co, San Antonio
96 bgs, Balfour, Guthrie & Co, San Antonio

CAMPHOR, REFINED—200 cs, Kobe

CANARY SEED—157 bgs, Buenos Aires
511 bgs, Rio Grande

CARDAMOM—100 tins, P H Petry Co, Livingston
24 cs, P H Petry Co, Livingston

CAROB—200 cs, Peek & Velsor, Lisbon

CASEIN—250 bgs, C W Burckhalter, Buenos Aires

CASSIA—200 bls, Arnhold & Co, Kobe
100 bls, Wah Young Co, Kobe
200 bls, Arnhold & Co, Kobe
100 bls, Wah Young Co, Kobe

CASTOR BEANS—3,400 bgs, Spencer Kellogg & Sons, Recife
15,000 bgs, Baker Castor Oil Co, Recife
1,700 bgs, Spencer Kellogg & Sons, Recife
3,400 bgs, Baker Castor Oil Co, Recife
13,600 bgs, Maceio
3,400 bgs, Bahia
3,400 bgs, Spencer Kellogg & Sons, Recife
10,159 bgs, Maceio
6,780 bgs, Guaranty Trust Co, Bahia
6,773 bgs, Maceio
3,387 bgs, National City Bank, Bahia
6,776 bgs, Guaranty Trust Co, Bahia
6,778 bgs, National City Bank, Bahia
1,700 bgs, Baker Castor Oil Co, Bahia
1,700 bgs, National City Bank, Maceio

CELERY SEED—35 bgs, A G Dunn, Bombay

CHAMOMILE FLOWERS—10 bls, H H Rosenthal Co, Japan

CHEMICALS—45 cks, Sandoz Chem Works, Genoa
9 dms, Sandoz Chem Works, Genoa
17 cs, Wingate Chem Co, Genoa
5 cs, E Martins, Genoa
10 cs, Hoffmann La Roche, Genoa
37 cs, 6 tins, Rohner Gehrig & Co, Genoa
58 cs, Firmenich & Co, Genoa
9 cs, Hudson Shipping Co, Genoa
4 cs, J E Bernard & Co, Genoa
67 cs, Goudrand Shipping Co, Genoa
152 cs, 2 cks, Sandoz Chem Works, Genoa
10 cs, Wedeman & Godknecht, Genoa
2 cks, 3 dms, Hoffman La Roche, Genoa
8 cs, Gane & Ingram, Genoa
30 bbls, Sandoz Chem Works, Genoa
2 cs, Ciba Co, Genoa
13 cs, Givaudan Delawanna, Genoa
30 bbls, 3 cs, Ciba Pharm Prod Co, Genoa
25 dms, Sandoz Chem Works, Genoa

TEXTILE—3 dms, A E Nydegger & Co, Genoa
26 bbls, Sandoz Chem Works, Genoa
20 dms, Sandoz Chem Works, Genoa
8 dms, Sandoz Chem Works, Genoa
99 dms, Sandoz Chem Works, Genoa

CHILLIES—214 bgs, W & A Leaman, Apapa
133 bgs, B H Old & Co, Bombay
184 bgs, B H Old & Co, Bombay
112 bgs, W E Martin, Japan
200 bgs, Frank Tea & Spice Co, Japan
100 bgs, S L Jones & Co, Bombay
100 bgs, F S Ehrlich, Japan

CHROME ORE—1 bx, J H Redding, Inc, Maceio

CINNAMON—300 bls, Fritzsche Bros, Colombo
199 bls, Catz American Co, Colombo

QUILLS—200 bls, C T Wilson & Co, Colombo

COALTAR INTERMEDIATES — 117 dms, Sandoz Chem Works, Genoa
2 cs, J E Bernard & Co, Genoa
9 dms, Goudrand Shipping Co, Genoa
4 cks, 9 dms, Sandoz Chem Works, Genoa

COCOA BEANS—500 bgs, A Canale, Guayaquil
500 bgs, Guayaquil
500 bgs, G Kimpel, Guayaquil
1,000 bgs, La Guaira
500 bgs, Machado & Co, La Guaira
112 bgs, Cristobal
500 bgs, A Canale, Cristobal
1,154 bgs, Superintendence Co, Lagos
4,006 bgs, Standard Bank South Africa, Lagos
16,000 bgs, Standard Bank South Africa, Lagos
2,070 bgs, Superintendence Co, Apapa
4,800 bgs, Rockwood Co, Apapa
2,073 bgs, Superintendence Co, Apapa
8,000 bgs, Rockwood Co, Acera
1,935 bgs, Superintendence Co, Apapa
3,200 bgs, Barclay Bank, Acera

COCOA BEANS—3,200 bgs, Superintendence Co, Apapa
3,200 bgs, Superintendence Co, Apapa
1,600 bgs, Standard Bank South Africa, Accra
4,000 bgs, Rockwood Co, Takoradi
1,600 bgs, Standard Bank South Africa, Takoradi
4,000 bgs, Rockwood Co, Takoradi
1,600 bgs, Standard Bank South Africa, Accra
1,600 bgs, Standard Bank South Africa, Accra
6,000 bgs, J Henry Schroeder Banking Corp, Bahia
4,000 bgs, Nieschlag & Co, Bahia
3,300 bgs, J Henry Schroeder Banking Corp, Bahia
4,000 bgs, Nieschlag & Co, Bahia

COCONUT, DESIC — 1,104 pkgs, Durkee Famous Food, Manila
99 cs, Philippine Desic Coconut Corp, Manila
762 bgs, Philippine Desic Coconut Corp, Manila
435 cs, Dodwell & Co, Manila
300 cs, Philip Levy, Manila
283 cs, Dodwell & Co, Manila

COCONUT SHELL CHARCOAL — 579 bgs, American Overseas Corp, Manila

COCONUTS—245 bgs, I L Toledano Corp, Cristobal
300 bgs, Universal Import & Export Co, Kingston

COLORS—2 dms, A E Nydegger & Co, Genoa

CONDURANGO BARK—25 bgs, Duncan Fox & Co, Cristobal

COPAIBA BALSAM—15 dms, Kachurin Drug Co, Cristobal
12 cs, W R Grace & Co, Cristobal
2 dms, W R Grace & Co, Cristobal

CORK—35 bgs, Lisbon
14 bgs, L N Renault & Son, Lisbon
WASTE—1,905 bls, Mundet Cork Corp, Lisbon
WOOD—100 bls, F Marti & Co, Algeciras
340 bls, F Marti & Co, Algeciras

COTTON LINTERS—47 bls Tradesman National Bank Trust Co, Cristobal
51 bls, W Reis, Cristobal
100 bls, Corn Exchange Bank Trust Co, Rio de Janeiro
61 bls, Chase National Bank, Rio de Janeiro

COTTONSEED MEAL—2,160 bgs, S Stern Stiner & Co, Guayaquil
780 bgs, S Stern Stiner & Co, Guayaquil

COTTONSEED MEAL WITH CASTOR—11,020 bgs, S Stern Stiner & Co, Huacho

CUMIN SEED—177 bgs, A G Dunn, Bombay
88 bgs, A G Dunn, Bombay
86 bgs, I Harrison & Whitney, Bombay
80 bgs, Freedman & Slater, Bombay
176 bgs, L A Guido, Bombay
88 bgs, B H Old & Co, Bombay
177 bgs, O Gerdau Co, Bombay

DERRIS ROOT—264 bls, Balfour, Guthrie & Co, Tandjong Priok
223 cs, Sasak
83 cs, W M Allison & Co, Semarang
33 cs, W M Allison & Co, Semarang
118 bls, Mitsui & Co, Manila
44 bls, Rutger, Bleecker & Co, Singapore
42 bls, Marine Midland Trust Co, Singapore
42 bls, Dodge & Olcott Co, Singapore
42 bls, Joosten & Janssen, Singapore
30 bls, Joosten & Janssen, Singapore
42 bls, Dodge & Olcott Co, Singapore

DILLSEED—88 bgs, A G Dunn, Bombay
267 bgs, Kachurin Drug Co, Bombay
200 bgs, Northwest Agric Export & Import Co, Bombay
240 bgs, E J Spitz, Bombay
400 bgs, Northwest Agric Export & Import Co, Bombay
300 bgs, C M Van Sillevoldt, Bombay
200 bgs, Becker Mayer Seed Co, Bombay
200 bgs, Northwest Agric Export & Import Co, Bombay
258 bgs, A G Dunn, Bombay
200 bgs, Freedman & Slater, Bombay
80 bgs, Hinton & Co, Bombay
160 bgs, O Gerdau & Co, Bombay

DOGWOOD ROOT BARK—50 bgs, Peek & Velsor, Kingston

DYES, ANILIN—192 dms, Sandoz Chem Works, Genoa
2 cs, Sandoz Chem Works, Genoa
82 dms, Sandoz Chem Works, Genoa
13 bbls, Subox, Inc, Genoa
195 bbls, J E Bernard & Co, Genoa
244 dms, 10 pkgs, Daeger Shipping Co, Genoa
127 dms, Wedeman & Godknecht, Genoa
82 dms, A E Nydegger & Co, Genoa
409 kegs, Ciba Co, Genoa
4 bbls, Geigy Co, Genoa
349 dms, Sandoz Chem Works, Genoa
18 kegs Carbic Color & Chem Co, Genoa

DYESTUFF—10 dms, Sandoz Chem Works, Genoa

EARTH—496 bgs, Pomeroy & Fischer, Vera Cruz

ERGOT—42 pkgs, J L Hopkins & Co, Lisbon

FENNEL SEED—172 bgs, Kachurin Drug Co, Bombay
57 bgs, Norwalk Mills, Bombay
200 bgs, W E Martin, Bombay

FISH LIVERS—127 tins, J D Irwin & Co, Kobe

FLEASEED—137 bgs, S B Penick & Co, Bombay
274 bgs, S B Penick & Co, Bombay
260 bgs, Peek & Velsor, Bombay
123 bgs, Loxseed Co, Bombay
137 bgs, Irving Trust Co, Bombay
200 bgs, R J Prentiss & Co, Bombay
260 bgs, T M Duche & Sons, Bombay

HUSK—1 bg, S B Penick & Co, Bombay
136 bgs, Irving Trust Co, Bombay

GAMBIER, BLOCK—110 cs, E E Androvette, Singapore

GINGER ROOT—11 bgs, Gillespie & Co, Kingston
50 bgs, C T Wilson & Co, Kingston

GLUESTOCK—89 bls, Havana
500 bls, Peter Cooper Co, Madras
505 bls, Darmstedt, Scott & Courtney, Madras
510 bls, Peter Cooper Co, Madras

GLYCERIN—86 dms, Corn Exchange Bank Trust Co, Rio Grande
11 dms, Corn Exchange Bank Trust Co, Rio Grande

GRAPHITE—1,143 bgs, J F Starkey & Co, Colombo
250 bgs, C E Pettinos, Colombo
558 bgs, J F Starkey & Co, Colombo
283 bgs, J F Starkey & Co, Colombo

GUM—6 bgs, Morad Aminoff, Bombay

CHICLE—612 bls, Mexican Exploitation Co, Vera Cruz
93 bls, Chicle Development Co, Kingston
612 bls, Mexican Exploitation Co, Vera Cruz

COPAL—205 bgs, Stroock & Wittenberg, Manila
63 bgs, S Winterbourne & Co, Manila
280 bskts, Stroock & Wittenberg, Sourabaya
61 bskts, H P Winter & Co, Sourabaya

DAMMAR—210 bgs, G W S Patterson & Co, Singapore
210 bgs, Thurston & Braidich, Singapore
70 bgs, O G Innis Corp, Singapore
50 cs, Gillespie-Rogers-Pyatt Co, Singapore
140 bgs, Gillespie-Rogers-Pyatt Co, Singapore
100 cs, Stroock & Wittenberg, Singapore
210 bgs, Stroock & Wittenberg, Singapore
210 bgs, France, Campbell & Darling, Singapore
210 bgs, Stroock & Wittenberg, Singapore
50 cs, W H Scheel, Singapore
150 cs, Stroock & Wittenberg, Singapore
50 cs, W H Scheel, Singapore
210 bgs, Stroock & Wittenberg, Singapore
200 cs, Manufacturers Trust Co, Tandjong Priok
200 cs, Chase National Bank, Tandjong Priok
200 cs, Gillespie-Rogers-Pyatt Co, Tandjong Priok
300 cs, Manufacturers Trust Co, Tandjong Priok
100 cs, Chase National Bank, Tandjong Priok
200 cs, Stroock & Wittenberg, Tandjong Priok
50 cs, G W S Patterson & Co, Singapore
100 cs, O G Innes Corp, Tandjong Priok
20 cs, Tandjong Priok

GHATTI—228 bgs, Bombay

KARAYA—66 bgs, Frank Vliet Co, Bombay
208 bgs, Bombay
266 bgs, Frank Vliet Co, Bombay
350 bgs, Bombay
268 bgs, Bombay
63 bgs, Philipp Bros, Bombay
54 bgs, Trust Co of North America, Bombay
66 bgs, Innis, Speiden & Co, Bombay
133 bgs, T M Duche & Sons, Bombay
200 bgs, Innis, Speiden & Co, Bombay
333 bgs, T M Duche & Sons, Bombay

OLIBANUM—66 bgs, Frank Vliet Co, Bombay

PERILLA—92 bls, Chicle Development Co, Barranquilla

HENNA LEAVES—133 bgs, S B Penick & Co, Karachi
78 bgs, J L Hopkins & Co, Karachi

ILMENITE—1,125 tons, National Lead Co, Cochin
1,875 tons, National Lead Co, Kollthottam

MACE—60 cs, Catz American Co, Sourabaya
117 cs, Catz American Co, Sourabaya
64 cs, Catz American Co, Sourabaya
49 cs, Sourabaya
16 cs, National City Bank, Sourabaya

MEDICINAL PREPS—14 bgs, Rohner Gehrig & Co, Kingston
5 cs, New York & Cuba Mail S S Co, Vera Cruz

MICA, BLOCK—12 cs, Mercantile Import & Export Co, Calcutta
13 cs, Mercantile Import & Export Co, Calcutta
24 cs, Ford Radio & Mica Corp, Calcutta
11 cs, Heyman & Co, Calcutta
22 cs, Mineral & Insulation Co, Calcutta
4 cs, A O Schoonmaker Insulation Co, Calcutta
2 cs, American Mica Works, Calcutta
29 cs, Calcutta
8 cs, A O Schoonmaker Insulation Co, Calcutta

DISC—1 cs, Gillespie Rogers Pyatt Co, Calcutta
2 cs, Mercantile Import & Export Co, Calcutta
2 cs, Mercantile Import & Export Co, Calcutta
4 cs, Heyman & Co, Calcutta
13 cs, American Mica Works, Calcutta
5 cs, Calcutta

FILM—19 cs, Gillespie Rogers Pyatt Co, Calcutta
3 cs, Mercantile Import & Export Co, Calcutta
30 cs, Ford Radio & Mica Corp, Calcutta
5 cs, Mercantile Import & Export Co, Calcutta
11 cs, Anglo-American Colonial Co, Calcutta
3 cs, E J Cornelis, Calcutta
4 cs, American Mica Works, Calcutta
5 cs, Calcutta
47 cs, A O Schoonmaker Insulation Co, Calcutta
45 cs, Schwab Bros, Calcutta

SPLITTINGS—200 cs, A O Schoonmaker Insulation Co, Calcutta
128 cs, Heyman & Co, Calcutta
950 cs, A O Schoonmaker Insulation Co, Calcutta
55 cs, Ford Radio Mica Corp, Calcutta
20 cs, Heyman & Co, Calcutta
28 cs, Mineral & Insulation Co, Calcutta
225 cs, E J Cornelis, Calcutta
275 cs, A O Schoonmaker Insulation Co, Calcutta
100 cs, A O Schoonmaker Insulation Co, Calcutta
9 cs, American Mica Works, Calcutta
38 cs, Heyman & Co, Calcutta
11 cs, Calcutta
100 cs, A O Schoonmaker Insulation Co, Calcutta

MOLASSES—678,000 kilos, W R Grace & Co, Salaverry

MUSTARD SEED—280 bgs, Joenssen & Cross, Kobe
784 bgs, B H Old & Co, Kobe
114 bgs, Freedman & Slater, Bombay

MYROBALANS—800 bgs, Parkey Import Co, Bombay

NIGER SEED—400 bgs, Hinton & Co, Colombo

NUTMEGS—65 bgs, Catz American Co, Sourabaya
160 cs, Macassar
130 bgs, Catz American Co, Sourabaya
121 bgs, Catz American Co, Sourabaya
20 bgs, Catz American Co, Sourabaya
160 cs, Catz American Co, Sourabaya

OIL, CANANGA—8 dms, National City Bank, Tandjong Priok
3 dms, Guaranty Trust Co, Tandjong Priok

CASTOR—100 dms, Royal Bank of Canada, Santos

OIL, CINNAMON LEAF—10 dms, Norda Essential Oil & Chem Co, Colombo

CITRONELLA—20 dms, Tandjong Priok
15 dms, Irving Trust Co, Tandjong Priok
12 dms, Tandjong Priok

COCONUT—1,061 tons, Pacific Vegetable Oil Co, Manila

COD, INDUSTRIAL—25 bbls, Iceland
25 dms, Iceland

CODLIVER—293 dms, Atlantic Coast Fisheries Corp, Yokohama
732 dms, Iceland
60 dms, Vitamerican Corp, Yokohama

EUCALYPTUS—100 cs, Geo Lueders & Co, Melbourne

FISH LIVER—3 dms, Atlantic Coast Fisheries Corp, Yokohama

FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao
54,870 bbls, Mexican Petroleum Co, Curacao

LEMONGRASS—19 dms, Volkart Bros, Cochin

LINALOE—1 dm, Vera Cruz

LINSEED—25 dms, Balfour, Guthrie & Co, Rio Grande

MEDICINAL—15 dms, T J McGrath, Coquimbo

OITICICA—159 dms, W R Grace & Co, Rio Janeiro

OLIVE SULPHUR—1,685 bbls, Lisbon

ORANGE—26 dms, Magnus, Mabee & Reynard, Kingston
5 cs, Ungerer & Co, Kingston
9 cs, Dodge & Olcott Co, Kingston
20 cs, Barclay Bank, Kingston

PALM—725 tons, Balfour, Guthrie & Co, Abonema

PATCHOULI—6 dms, Continental Bank Trust Co, Tandjong Priok
2 dms, Guaranty Trust Co, Tandjong Priok

PIMENTO LEAF—2 dms, Fritzsche Bros, Kingston
1 dm, Magnus, Mabee & Reynard, Kingston

POLLACK LIVER—550 dms, Chase National Bank, Kobe

RAPESEED, REFD—256,924 kilos, Buenos Aires

SANDALWOOD—20 cs, Fritzsche Bros, Madras

VETIVER—1 dm, Bank of Manhattan, Tandjong Priok
1 dm, National City Bank, Tandjong Priok

ORE—2 dms, Braden Copper Co, Valparaiso

ORTOSIPHON LEAVES—18 cs, Brown Bros-Harriman Co, Tandjong Priok

PAPAIN—7 cs, Dodwell & Co, Colombo

PAPRIKA—25 bgs, Scheider & Co, Lisbon
25 bgs, H Schoenfeld & Son, Lisbon
50 bgs, Archibald & Kendall, Lisbon
20 bgs, Manufacturers Trust Co, Lisbon
50 bgs, H Schoenfeld & Sons, Lisbon

PATCHOULI LEAVES—36 bls, W J Bush & Co, Singapore

PEPPER, BLACK—300 bgs, Irving Trust Co, Oosthaven
WHITE—250 bgs, Irving Trust Co, Oosthaven
381 bgs, Tandjong Priok
252 bgs, Irving Trust Co, Oosthaven

PIMENTO—50 bgs, Kingston
30 bgs, I Harrison & Whitney, Kingston

PITCH, BREWERS'—15 cs, Cardinal Chem Corp, Genoa

POPPYSEED—114 bgs, Wacoline Product, Inc, Karachi
66 bgs, Hinton & Co, Bombay
70 bgs, Hinton & Co, Bombay

POTASH, CHLORATE—400 cs, Manufacturers Trust Co, Yokohama
100 cs, Manufacturers Trust Co, Yokohama

PERMANGANATE—200 dms, H H Rosenthal Co, Kobe

QUEBRACHO EXTRACT—20 bls, Tannin Corp, Buenos Aires
1,562 bgs, Tannin Corp, Buenos Aires
1,072 bgs, Tannin Corp, Buenos Aires

QUININE SULPHATE — 25 cs, Guaranty Trust Co, Tandjong Priok

RAFAELITE — 204 bgs, Irving Trust Co, Buenos Aires

RAPESEED — 90 bgs, Levy & Levis Co, Karachi
120 bgs, Hinton & Co, Karachi

ROCK CRYSTALS — 4 cs, National City Bank, Bahia
24 cs, Chase National Bank, Rio de Janeiro
8 cs, National City Bank, Rio de Janeiro

SAGO FLOUR — 800 bgs, National Starch Prod Co, Singapore
800 bgs, National Starch Prod Co, Singapore
560 bgs, National Starch Prod Co, Singapore

SANDALWOOD — 267 bls, Volkart Bros, Cochin

SCHEELITE—502 bgs, Philipp Bros, Bolivar
190 bgs, Chase National Bank, Rio Grande

SHARK LIVERS—1 dm, Bahamas

SHELLAC—200 bgs, E J Cornelis, Calcutta
670 bgs, A Hurst & Co, Calcutta
500 bgs, E E Androvette, Calcutta
315 bgs, A Hurst & Co, Calcutta
300 bgs, Mercantile Import & Export Co, Calcutta
450 bgs, A Hurst & Co, Calcutta
500 bgs, A Hurst & Co, Calcutta
50 bgs, Wm Zinsser & Co, Calcutta
200 bgs, Schwab Bros, Calcutta
200 bgs, Ralli Bros, Calcutta
100 cs, Ralli Bros, Calcutta
400 bgs, Ralli Bros, Calcutta
150 cs, Mercantile Import & Export Corp, Calcutta
600 bgs, Mercantile Import & Export Corp, Calcutta
500 bgs, E E Androvette, Calcutta
700 bgs, E E Androvette, Calcutta
300 bgs, Mercantile Import & Export Corp, Calcutta

GARNET LAC—145 bgs, Ralli Bros, Calcutta
100 bgs, Ralli Bros, Calcutta

SEEDLAC—300 bgs, Mac Lac Co, Calcutta
300 bgs, Schwab Bros, Calcutta
300 bgs, E J Cornelis, Calcutta
450 bgs, Wm Zinsser, Calcutta
950 bgs, Wm Zinsser, Calcutta
200 bgs, Ralli Bros, Calcutta
200 bgs, Mercantile Import & Export Co, Calcutta
200 bgs, Mercantile Import & Export Co, Calcutta

SOAP BARK—224 bgs, W R Grace & Co, San Antonio
53 bgs, San Antonio
274 bgs, Duncan, Fox & Co, San Antonio

SODA DESOXYCHOLATE—1 cs, Gane & Ingram, Genoa
SPONGES—5 bls, Mantes Bros Co, Havana
24 bls, Gulf West Indies Co, Havana
STARCH, MANIOC—425 bgs, Simmonds & Grey, Rio Janeiro
SQUILLS—92 bgs, S B Penick & Co, Bombay
TALC—2,000 bgs, Whittaker, Clark & Daniels, Kobe
2,057 bgs, Heyman & Co, Bombay
2,057 bgs, Heyman & Co, Bombay
339 bgs, C B Chrystal & Co, Japan
TAPIOCA FLOUR—5 pkgs, Sino Java Hvg, Tandjong Priok
1,000 bgs, Tandjong Priok
1,100 bgs, Chase National Bank, Tandjong Priok
250 bgs, Tandjong Priok
500 bgs, Tandjong Priok
794 bgs, Tandjonk Priok
996 bgs, Batavia
519 bgs, Batavia
TARA, POWD—243 bgs, Guaranty Trust Co, Salaverry
TARTAR—400 bgs, W R Grace & Co, San Antonio
THEOBROMINE—25 cs, E Bilhuber, Genoa
TIN ORE—568 bgs, Philipp Bros, Arica
TOLU BALSAM—25 cs, S Grazi & Co, Barranquilla
25 cs, Wessel, Duval & Co, Barranquilla
TUNGSTEN, CONC—75 dms, Irving Trust Co, Buenos Aires
14 dms, Irving Trust Co, Rio Grande
442 bgs, Irving Trust Co, Rio Grande
VANADIUM ORE — 10,664 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—42 cs, F Huber & Co, Vera Cruz
88 cs, Norda Essential Oil & Chem Co, Vera Cruz
9 cs, New York & Cuba Mail S S Co, Vera Cruz
47 cs, Florasynth Lab, Vera Cruz
9 cs, Bank of Manhattan, Tandjong Priok
5 cs, Continental Bank Trust Co, Tandjong Priok
WAX, BEES—75 bgs, D Steengrafe, Buenaventura
7 bgs, F D Keller, Cristobal
6 bgs, Puerto Barrios
12 bdls, Puerto Barrios
32 bgs, E Vadillo Ruiz, Havana
16 bgs, W H Grace & Co, Valparaiso
19 bgs, Duncan Fox & Co, Talcahuanoz
CARNAUBA — 67 bgs, Strahl & Pitsch, Bahia
145 bgs, Strohmeyer & Arpe Co, Jio Janeiro
56 bgs, Strohmeyer & Arpe Co, Rio Janeiro
CERESIN—350 bgs, Asiatic Petroleum Corp, Sourabaya
OURICURY—80 bgs, A Hurst & Co, Bahia
56 bgs, Innis, Speiden & Co, Bahia
VEGETABLE—200 cs, H H Rosenthal Co, Japan
WINE LEES—289 bgs, W R Grace & Co, San Antonio
WOLFRAM, CONC—500 bgs, Irving Trust Co, Antofagasta
500 bgs, Watson, Geach Co, Antofagasta
ORE—1,006 bgs, W R Grace & Co, Mollendo
195 bgs, Buenos Aires

New York Transit Imports

ALUMINUM HYDROXIDE—15 cs, Wander Co, Genoa, Chicago
COCOA BEANS—4,000 bgs, Standard Bank South Africa, Saltpond, Montreal
CORIANDER SEED—203 bgs, Sokol & Co, Bombay, Chicago
CUMIN SEED—35 bgs, Sokol & Co, Bombay, Chicago
CUTCH—165 cs, Singapore, Halifax
DILLSEED—172 bgs, Sokol & Co, Bombay, Chicago
260 bgs, Sokol & Co, Bombay, Chicago
DOGWOOD ROOT BARK—11 bgs, Parke Davis & Co, Kingston, Detroit
FENNEL SEED—102 bgs, Sokol & Co, Bombay, Chicago
GRAPHTE—286 bgs, Superior Graphite Co, Colombo, Chicago
GUM DAMMAR—20 cs, Singapore, Halifax
MEDICINAL PREPS—2 cs, Eli Lily & Co, Havana, Indianapolis
MICA BLOCK—2 cs, A Sheville Mica Co, Calcutta, Biltmore, N C
PAPAIN—22 cs, American Ferment Co, Colombo, Toronto
177 cs, American Ferment Co, Colombo, Toronto
TAPIOCA FLOUR—250 bgs, Perkins Glue Co, Batavia, Halifax
200 bgs, Stein Hall & Co, Batavia, Halifax
375 bgs, Philadelphia Natl Bank, Cheribon, Halifax
180 bgs, Sino Java Handel, Cheribon, Halifax
500 bgs, Stein Hall & Co, Semarang, Halifax
219 bgs, Stein Hall & Co, Sourabaya, Halifax
TEAWASTE—2,000 bgs, Citro Chem Co, Calcutta, Maywood
500 bgs, Maywood Chem Works, Calcutta, Maywood

Baltimore Imports

BONEMEAL—2,226 bgs, Buenos Aires
CHROME ORE—5,000 tons, Masinloc
2,000 tons, Santa Cruz, Zambales
IRON ORE—5,700 tons, Bethlehem Steel Co, Daiquiri
21,000 tons, Bthlehem Steel Co, Cruz Grande
21,800 tons, Bethlehem Steel Co, Cruz Grande
MANGANESE ORE—5,250 tons, Vizagapatam
6,000 tons, Durban
7,600 tons, Vizagapatam
MOLASSES—7,420,745 lbs, U S Alcohol Co, La Romana
4,072,462 lbs, U S Alcohol Co, Macoris
398,345 gls, U S Alcohol Co, Guanica
413,262 gls, Jucaro
OIL, COCONUT—531 tons, Cebu
QUEBRACHO EXTRACT—16,568 bgs, Buenos Aires
TANKAGE—6,036 bgs, Buenos Aires

Boston Imports

TALC—616 bgs, Heyman & Co, Bombay
TAPIOCA FLOUR—315 bgs, Rutger Bleecker & Co, Cheribon
493 bgs, Arnold Hoffmann Co, Cheribon
1,086 bgs, Cheribon
800 bgs, Semarang

Charleston Imports

OIL, ESSENTIAL—1 cs, Stein Hall & Co, Batavia
TAPIOCA FLOUR—50 bgs, Stein Hall & Co, Semarang
947 bgs, Stein Hall & Co, Batavia
1,000 bgs, Stein Hall & Co, Batavia
2,203 bgs, Stein Hall & Co, Batavia
537 bgs, Stein Hall & Co, Batavia

Houston Imports

CINNAMON—200 bls, Volkart Bros, Colombo

Los Angeles Imports

BABASSU NUTS—1,666 pkgs, 220,460 lbs, Brazil
BLOOD, DRD—233 bgs, 28,250 lbs, Buenos Aires
1,913 bgs, 196,000 lbs, Buenos Aires
CANARY SEED—231 bgs, 26,380 lbs, Buenos Aires
CASSIA—30 bls, 6,720 lbs, Hongkong
CASTOR BEANS—180 sx, 22,820 lbs, San Salvador
CHILLIES—110 pkgs, 11,000 lbs, Kobe
COALTAR, CRUDE, DEHYD—50 pkgs, 23,320 lbs, Glasgow
COCONUT, DESIC—680 pkgs, 74,750 lbs, Manila
309 pkgs, 34,700 lbs, Manila
COPRA MEAL—2,000 pkgs, 200,000 lbs, Manila
8,760 bgs, 876,000 lbs, Manila
10,000 bgs, 1,000,000 lbs, Manila
COTTON LINTERS—422 bls, 194,000 lbs, Sao Paulo
562 bls, 225,420 lbs, Sao Paulo
CUMIN SEED—72 bgs, 10,080 lbs, Bombay
400 bgs, 44,800 lbs, Amritsar
FISH LIVERS—53 tins, 2,120 lbs, Yokohama
500 tins, 12,360 lbs, Japan
124 tins, 4,960 lbs, Japan
208 tins, 8,320 lbs, Kobe
261 tins, 10,440 lbs, Yokohama
26 tins, 1,040 lbs, Japan
GUM, ELEMI—50 cs, 5,000 lbs, Manila
HENNA, POWD—80 sx, 1,190 lbs, Amritsar
OIL, CITRONELLA—29 dms, 11,190 lbs, Batavia
QUEBRACHO EXTRACT—1,278 bgs, 134,480 lbs, Buenos Aires
RAPESEED—153 pkgs, 17,140 lbs, Buenos Aires
192 bgs, 22,490 lbs, Buenos Aires
SESAME SEED—62 sx, 10,000 lbs, Bombay
SODA NITRATE—107,186 bgs, 10,704,790 lbs, Tocopilla
SUNFLOWERSEED MEAL—8,373 bgs, 832,120 lbs, Buenos Aires
TANKAGE—953 bgs, 94,000 lbs, Buenos Aires
2,001 bgs, 80,000 lbs, Buenos Aires
2,000 bgs, 202,000 lbs, Buenos Aires

Mobile Imports

BAUXITE—5,000 tons, Reynolds Metal Co, Inc, Batavia
OIL, CITRONELLA—58 dms, Chase National Bank, Tandjong Priok

Norfolk Imports

TAPIOCA FLAKE—996 bgs, Stein Hall & Co, Sourabaya
857 bgs, Stein Hall & Co, Sourabaya
771 bgs, Stein Hall & Co, Sourabaya
FLOUR—7,899 bgs, Stein Hall & Co, Sourabaya
750 bgs, Morningstar Nicol, Sourabaya
1,827 bgs, Stein Hall & Co, Sourabaya
500 bgs, Tandjong Priok
1,095 bgs, Stein Hall & Co, Sourabaya
PEARL—338 bgs, Stein Hall & Co, Sourabaya

Philadelphia Imports

CANARY SEED—777 bgs, Buenos Aires
484 bgs, Buenos Aires
COCOA BEANS—1,400 bgs, Bankers Trust Co, Bahia
1,000 bgs, J Henry Schroeder, Bahia
1,350 bgs, La Guayra
COCONUTS—110 bgs, Universal Import & Export Co, Mayaguez
200 bgs, Simon & French, San Juan
182 bgs, Starr Produce Co, San Juan
89 bgs, Starr Produce Co, Mayaguez
CORK, VIRGIN—12,100 bls, Armstrong Cork Co, Lisbon
WASTE—28,733 bls, Armstrong Cork Co, Lisbon
8,689 bls, Armstrong Cork Co, Lisbon
WOOD—416 bls, Armstrong Cork Co, Lisbon
COTTONSEED MEAL—1,160 bgs, Buenos Aires
GLYCERIN, CRUDE—125 tons, Manila
IRON ORE, CHROME-BEARING—3,000 gross ton, Berquet Consolidated Mining Co, Masinloc
MICA—3 cs, Cabadelo
MINERAL ORE—825 bgs, Cabadelo
MOLASSES—1,340,890 gals, Publicker Alcohol Corp, Sagua & Havana
MYROBALANS, WHOLE—2,916 packets, The Tannin Corp, Calcutta
4,200 bgs, Guaranty Trust Co, Bombay
MUSTARD SEED—286 bgs, Shanghai
OIL, COCONUT—778 packets, Zamboanga
PETROLEUM, CRUDE—77,929 bbls, Gulf Oil Corp, Las Piedras
119,304 bbls, Gulf Oil Corp, Puerto la Cruz
114,000 bbls, Sun Oil Co., Puerto la Cruz
QUEBRACHO EXTRACT—1,500 bgs, International Products Corp, Buenos Aires
28,078 bgs, The Tannin Corp, Buenos Aires
LOGS — 2,540 pieces, The Tannin Corp, Buenos Aires
SHELLAC—75 bgs, Wm. Zinsser & Co, Calcutta
ZIRCONIUM ORE—600 bgs, Philadlephia National Bank, Santos

Wilmington Imports

QUEBRACHO WOOD—2,540 pcs, Tannin Corp, Buenos Aires

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended February 19

Cod oil, 46 barrels; restricted use.

Cumin seed, 2,139 bags; filthy.

Medicinal preparations, 1 package; new drug.

Medicinal preparations, 1 package; dangerous drug.

Medicinal preparations, 3 parcels; false therapeutic claims.

Menthol oil, 1 case; restricted use.

Nutmegs, 130 bags; restricted use.

Sesame seed, 150 bags; insect-infestation.

Boston

Week Ended February 19

Medicinal preparations, 3 parcels; false therapeutic claims.

Cod oil, 5,153 gallons; restricted use.

Philadelphia

Week Ended February 19

Cornmint oil, 5 cases; restricted use.

Medicinal preparations, 8 parcels; not properly labeled.

San Francisco

Week Ended February 13

Medicinal, 200 pieces; false therapeutic claims.

Nutmegs, 62 bags; decomposed.

Seattle

Week Ended February 13

Medicinal, 1 piece; false therapeutic claims.

Exports from U.S. Ports

Baltimore Exports

GLUCOSE—60,784 lbs, India
LITHOPONE—100,067 lbs, India
OIL, LUBRICATING—70 bbls, Rio Janeiro
103 bbls, Santos
POTASH BICHROMATE—22,186 lbs, India
STARCH—291,800 lbs, India

Los Angeles Exports

ACID, BORIC—50 bgs, 5,600 lbs, Melbourne; 1,314 bgs, 187,490 lbs, Sydney; 179 bgs, 20,240 lbs, Sao Paulo
CITRIC—100 kgs, 11,200 lbs, Shanghai
MURIATIC—1,160 lbs, El Callao
NAPHTHENIC—33,000 lbs, Melbourne
NITRIC—70 lbs, El Callao
SULPHURIC—1,180 lbs, El Callao
BARYTES—80 bgs, 4,000 lbs, Rio Janeiro
BORATE—1,286 bgs, 144,032 lbs, Shanghai; 4,064 bgs, 448,068 lbs, Santos
BORAX—500 bgs, 56,000 lbs, Hongkong; 197 bgs, 22,060 lbs, Santos; 1,630 bgs, 207,870 lbs, Sydney; 160 bgs, 17,920 lbs, Napier; 5 cs, 500 lbs, Suva; 1,429 bgs, 202,200 lbs, Sao Paulo
GLASS—6 cs, 600 lbs, El Callao
CALCIUM CHLORIDE—90 lbs, Tutuila
CAULKING COMP—300 lbs, Vancouver
CHALK—100 lbs, Balboa
CLAY, FILTER — 800 sx, 36,000 lbs, Vancouver
GROUND—1,000 sx, 100,000 lbs, Auckland
CLEANER—1,260 lbs, Hongkong; 1,750 lbs, Auckland
DIATOMACEOUS EARTH—3,433 bgs, 336,160 lbs, Liverpool; 4,521 bgs, 448,160 lbs, Liverpool; 20 bgs, 2,000 lbs, Sydney; 1,104 bgs, 110,400 lbs, Auckland; 22 bgs, 1,110 lbs, Suva; 340 bgs, 30,000 lbs, Vancouver
FERRIC SULPHATE—420 lbs, Vancouver
FIRECLAY—100 sx, 10,000 lbs, Santa Rosalia; 200 bgs, 20,000 lbs, Balboa
GASOLINE—10,799 bbls, Tokuyama; 100 dms, Santa Rosalia; 9,684 bbls, Tokuyama; 11,450 bbls, Shimotsu; 58,685 bbls, China
AVIATION—59,791 bbls, China
GREASE, LUBRIC—400 dms, 200,800 lbs, Tientsin
KEROSENE—330 pkgs, Santa Rosalia
LARD—250 tins, 9,000 lbs, Santa Rosalia
LITHARGE—600 lbs, El Callao
MEDICINAL PREPS—230 lbs, Manila
OIL, DIESEL—16,037 bbls, Vancouver; 69,550 bbls, Genzan; 43,238 bbls, Osaka
FISH—2 dms, 880 lbs, Auckland
FUEL—9,108 bbls, Quepos; 14,055 bbls, Balboa; 71,848 bbls, Tocopilla; 10,705 bbls, Vancouver; 46,061 bbls, Osaka
GRAPEFRUIT—280 lbs, Melbourne; 50 lbs, Sydney
LEMON—4 cs, 200 lbs, Shanghai; 1,680 lbs, Melbourne; 550 lbs, Melbourne; 350 lbs, Sydney
LEMON, DIST—1,170 lbs, Melbourne
LUBRICATING—11 dms, Santa Rosalia; 10 dms, Sydney
MARINE—12 dms, Santa Rosalia
OLEO—30 dms, 12,790 lbs, Hongkong
ORANGE—1 cs, 50 lbs, Shanghai; 930 lbs, Melbourne; 450 lbs, Sydney
ORANGE, DIST—1,150 lbs, Melbourne; 400 lbs, Auckland
PAINT—3,360 lbs, Balboa
PECTIN—12,000 lbs, Melbourne; 4,400 lbs, Sydney
PETROLATUM—233 cs, 7,710 lbs, Auckland
PETROLEUM COKE—1,848,000 lbs, Yokohama
CRUDE—68,544 bbls Tokuyama; 57,225 bbls, Vancouver; 62,012 bbls, Tokuyama; 70,968 bbls, Shimotsu
GAS—50 lbs, Sydney; 26,510 lbs, Sydney; 23,000 lbs, Auckland
RESIN, SYNTH—80 lbs, Sydney
SILICA—40 bgs, 4,000 lbs, Melbourne
SOAP POWDER—450 lbs, Cristobal
SODA ASH—2,146 bgs, 330,640 lbs, La Guaira; 2,060 bgs, Sao Paulo; 2,254 bgs, 250,050 lbs, Vancouver; 2 bls, 600 lbs.
SULPHUR, LUMP—6,000 lbs, Balboa
TALC—900 bgs, 10,000 lbs, Havana
TANNING EXTRACT—11,000 lbs, Sydney
TOILET PREPS—10 lbs, Mexico City
ZINC SULPHATE—24,000 lbs, Britaannia Beach

New Orleans Exports

ACID, STEARIC—34 tons, Vera Cruz
ALUMINUM SULPHATE—226 tons, Cristobal
ASPHALT—167 tons, West Coast, South America
GASOLINE, AVIATION—24 tons, Tela
KEROSENE—4 tons, Puerto Cabezas
LARD—49 tons, Havana; 17 tons, Vera Cruz
LUBRICANTS—12 tons, Havana
OIL, DIESEL—39 tons, Tela; 86 tons, Ceiba; 74 tons, Puerto Cabezas
FUEL—273 tons, Ceiba
LUBRICATING—11 tons, Puerto Barrios; 15 tons, Puerto Cabezas
PAINT—7 tons, Puerto Cabezas
PARAFFIN—68 tons, West Coast South America; 18 tons, Vera Cruz
ROSIN—12 tons, Cristobal; 50 tons, West Coast South America
SALT—137 tons, Havana; 5 tons, Puerto Cabezas
SODA CYANIDE—28 tons, Puerto Cabezas
PHOSPHATE—6 tons, Vera Cruz
TAR—8 tons, Vera Cruz

Philadelphia Exports

CHEMICALS—7 cs, Melbourne
DYEWOOD EXTRACT—15 dms, 40 bxs, Santos
INSECTICIDE—2 dms, Melbourne
MANGANESE, CRUDE—2,000 bgs, Sydney
OIL, LUBRIC—610 dms, Newcastle; 3,257 dms, Sydney; 985 dms, Adelaide; 105 dms, Manila; 2,025 dms, 2,430 cs, Manila
PAINT—187 pails, 66 dms, 1 cs, Santos
RESIN, SYNTH—89 cs, Sydney

Foreign Trade Rules

Information recently published by the Department of Commerce in foreign tariff and related trade regulations include the following:—

Insecticides:—Germany has subjected the distribution of insecticides containing copper or borax to permit requirements.

Malonic Acid:—Colombia has ruled that pharmaceuticals for importation which contain malonic acid or its derivatives must have the formula on the container. Barbituric acid preparations must also comply with this regulation.

Parcel-Post.—The parcel-post service from the United States to Egypt has been resumed.

Potash Chlorate.—Potash chlorate and synthetic essential oils may now be imported into Ceylon from nonsterling areas without import license.

Road Tars.—French Indo-China has exempted from import duty petroleum tars dissolved in volatile mineral solvent, commercially termed "cut backs," without any addition of gum or resin, intended for use in road-making purposes only.

Soda Silicate:—Uruguay has again classified solid soda silicate under the raw materials section of the tariff, dutiable at 5 percent, plus a surtax of 4 percent, of a fixed official customs valuation of 5 pesos per 100 gross kilos. This provision will remain in force so long as solid soda silicate is not produced in Uruguay.

Vegetable Oils.—Denmark requires special permits from the Danish Minister of Commerce in order to import animal or vegetable oils and fats (except tallow and lard), or to produce, refine, harden, or sell these products.

War Materials.—Belgium requires special permits for imports and exports of all articles designated as war materials.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—2,243 bbls, Seattle; 12,895 bbls, Seattle; 27,645 bbls, Seattle; 75,572 bbls, Seattle; 9,656 bbls, San Diego; 53,649 bbls, Seattle; 2,946 bbls, San Diego; 700 bbls, San Diego; 5,171 bbls, San Diego
OIL, DIESEL—5,494 bbls, Seattle; 5,604 bbls, Seattle; 56,000 bbls, Seattle; 6,843 bbls, Seattle; 18,142 bbls, Seattle; 1,500 bbls, San Diego; 1,311 bbls, San Diego; 2,800 bbls, San Diego
FLUSHING—2,047 bbls, Davenport
FUEL—66,814 bbls, Seattle; 18,800 bbls, Seattle; 59,576 bbls, Seattle; 3,064 bbls, Seattle; 2,400 bbls, Portland; 76,800 bbls, El Segundo; 63,417 bbls, Davenport
FURNACE—11,334 bbls, Seattle; 6,535 bbls, Seattle

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Equipment Offered

SPECIALS FROM stock:—3, 8 and 40-gal. Day pony mixers; Ross 4 ft. 8 in. putty chaser; pebble and ball mills, laboratory to 1,000 gals.; A. T. & M. 10½ in. rubber-lined centrifugal, motor driven; 3 8 in. laboratory stone mills; colloid mills; Shriver 30 in. steam jacketed filter press; 5 26 in. stone mills with iron mill feeds; Day jumbo mixer, 680 gals.; filter presses, 12 in. to 36 in., cast iron and wood; dry powder mixers; vacuum pans, etc. Send for latest bulletins. Brill Equipment Corporation, 183 Varick street, New York City.

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

PEBBLE MILLS, 30x24 porcelain lined, 36x42, 36x60, 60x60, 4½x13 ft. silex lined; jar mills, 1 and 4-gallon; Proctor 2-truck dryer. Lawler Company, Dunham avenue and L. V. R. R., Metuchen, N. J.

FIND what you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Company, 123 Bleecker street, SPring 7-8955.

Equipment Wanted

WANTED—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixers, pulverizer. No dealers. BOX 356, Oil, Paint and Drug Reporter.

Materials Offered

REFINED PYRIDINE, about 300 pounds 2°, unused and 400 pounds of same used and recovered. Also about 400 gallons denaturing grade pyridine; offers solicited. BOX 390, Oil, Paint and Drug Reporter.

FOR SALE, 100 pounds zirconium metal powder; 100 pounds magnesium metal powder; 1,000 pounds ferrouranium; 5,000 pounds vanadium pentoxide technical; 500 pounds beryllium oxide; 100 tons lignin powder; one kilo each gallium germanium indium tantalum. BOX 391, Oil, Paint and Drug Reporter.

Materials Wanted

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

HIGHER MARKETS—Sell now. Wanted—Surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

Plants Offered

FORMER CHEMICAL plant, 90x115 feet, acid-proof floor with drain, fume exhaust system, good headroom, testing and research laboratory, live steam available. Unrestricted district Manhattan. Subway one block. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Positions Vacant

WANTED—Young Christian chemist experienced paint and varnish formulator by small, successful North Jersey company. Furnish complete information regarding education, experience, and personal details first application. BOX 387, Oil, Paint and Drug Reporter.

SUCCESSFUL BALTIMORE paint factory offers exceptional opportunity to a vigorous, successful paint salesman who can learn to direct our maintenance and industrial salesmen in this territory. The opportunity to make real money on this job is only limited by the ability of the man. If this doesn't fit you and you know a man it does, you will do him a real favor by showing him this ad. BOX 388, Oil, Paint and Drug Reporter.

COLOR SALESMAN wanted, experienced or with foundation for sales work, preferably familiar eastern markets, especially metropolitan area and New Jersey. State qualifications fully. BOX 389, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMICAL ENGINEER, long experience on construction, maintenance, operation, process development. Aggressive, tactful, hard worker, with executive ability. Protestant. U. S. citizen. Coaltar, coke, petroleum, and all related chemical products. Immediate placement. Any location. A. L. Miller, 1824 Wynnewood road, Philadelphia, Pa.

Positions Wanted

EXPERT SHADER—Practical paint man, able take charge of factory production; expert shader in all kinds of paints, including industrial finishes. Would like to hear from reliable firm who could use a man of my ability. BOX 380, Oil, Paint and Drug Reporter.

EXPERT IN COLOR, dyestuff trade, 18 years' experience, 10 years sole agent of Durand & Huguenin for European country, expert in manufacture of dry colors, bituminous and other paints, builders' chemicals, luminous material, etc., open for any reasonable proposition. BOX 386, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

WE WILL help you to find the right outlet for any complex metal, mineral or by-product. BOX 361, Oil, Paint and Drug Reporter.

Surplus Stock

CHECK INVENTORIES! We purchase any quantity surplus, chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

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EQUIPMENT For Chemical and Allied Industries

1—Premier Colloid Mill, 6".
1—Day Laboratory 3-Roll Mill, 5x12".
1—Hurrell Homogenizer with 40 H.P. Motor.
1—Eureka Mixer, 38"x36"x9' long.
1—Unjacketed W&P Bronze Mixer, 30-gals.
3—Pony Mixers, 8-gals., 15-gals. and Laboratory.
3—Day Powder Mixers, 30"x30"x6½' long.
1—Oliver Laboratory Continuous Filter, 8x37".
2—Copper Jacketed Kettles, approx. 200-gals.
13—Copper Varnish Kettles with Trucks, 150-gals.
1—Copper Jacketed Still, 50-gals., with 6" Copper Condenser, and 8" Copper Column.
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3—Devine and Stokes Rotary Vacuum Dryers, complete with Condensers, Dust Collectors and Pumps.
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Production Planners Appointed by OPM

—Continued from page 3

study production experience during the World War, the Industrial Mobilization Plan of the War Department and Navy Department, and the procedure followed during the past eight months by the Advisory Commission to the Council of National Defense and the departments. In the light of all this experience, the board will make recommendations with respect to planning of present and future production, both for defense and civilian requirements.

Representatives of the army and navy, industry, labor, and scientific research will have places on the board, and it will have also the benefit of the most authoritative current information on the defense requirements of Great Britain. Members of the board have had broad experience in their respective fields, particularly as they apply to the problems of industrial mobilization.

The board, Mr. Biggers said, has been established in recognition of the importance of both short-term and long-term planning of the defense effort and its effects on the national economy as a whole. It is expected to furnish valuable assistance in the task of distributing defense production so as to expedite deliveries with the least possible dislocation, currently or consequently, of the national economy.

The members of the board are:—

Samuel Richard Fuller, chairman, president of the North American Rayon Corporation, and of the American Bemberg Corporation.

Harry E. Hopkins, former Secretary of Commerce, former WPA Administrator, and recent special representative of the President in England.

Admiral William Harrison Standley, U.S.N. (retired), who was Chief of Naval Operations from 1933 to 1937 and during that period frequently served as Acting Secretary of the Navy during the illness of the late Secretary Claude Swanson.

Major-General James Henry Burns, U.S.A., who has served in this country, Mexico, France and the Philippine Islands, with assignments in the Office of the Chief Ordnance Officer, the Office of the Assistant Secretary of War, Commander of the Raritan Ordnance Depot, the Office of the Chief of Staff and, in 1936, executive officer, Office of the Assistant Secretary of War.

George W. Meany, secretary-treasurer of the American Federation of Labor, and former president of the New York State Federation of Labor.

James B. Carey, secretary of the Congress of Industrial Organizations and general president of the United Electrical, Radio and Machine Workers of America.

John L. Pratt, Fredericksburg, Va., who retired five years ago as executive vice-president of the General Motors Corporation in charge of all parts and accessory divisions.

William E. Levis, Toledo, Ohio, chairman of the board of the Owens-Illinois Glass Company.

Robert E. Doherty, president of the Carnegie Institute of Technology and former dean of the School of Engineering at Yale.

Edward R. Stettinius, jr., OPM priorities director has appointed the following as producers' representatives on the respective priorities committees:—

Aluminum:—Ralph G. Farrell, chairman of the board of the Fairmount Aluminum Company, Fairmount, W. Va.

Hides, skins, and leather:—Ralph Pope, president of the Northwestern Leather Company Trust, Boston.

Rubber:—A. L. Viles, president of the Rubber Manufacturers Association, New York.

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Aluminum Pigment:—4,000 pounds paste in paint thinner; Navy Purchasing Office, New York, N. Y.; schedule 3536, opening February 27.

Brushes:—Supplies of; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 5440, opening March 7.

Calcium Hypochlorite:—3,780 pounds; Quartermaster Depot, Chicago; invitation 199-310, opening March 1.

Enamel:—1,000 gallons; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 973, opening February 27.

Ether:—2,121,300 pounds; Navy Department, Bureau of Supplies and Accounts, Washington, D. C.; schedule 5465, opening March 4.

Laundry Soda:—10,000 pounds; Purchasing Agent, Post Office Department, Washington; invitation 2134, opening February 5.

Lead, Red, Dry:—19,000 pounds for Charleston, S. C.; Navy Department, Bureau of Supplies and Accounts, Washington, D. C.; schedule 5484, opening March 4.

Paint:—10,000 pounds of iron hydroxide; Commanding Officer, Frankford Arsenal, Pa.; invitation 1531, opening February 24.

Thinner:—550,000 gallons; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 5430, opening March 4.

Resin, Phenolic:—13,400 pounds; Navy Department, Bureau of Supplies and Accounts, Washington, D. C.; schedule 5485, opening March 4.

Rust Preventive Compound: — 260,000 pounds; Quartermaster Depot; invitation 199-308, opening February 27.

Soap:—Supplies of; Quartermaster Supply Officer, Army Base, Brooklyn; invitation 6260376, opening February 25.

Chicago Production Club Meeting Set for March 3

Chicago Paint and Varnish Production Club will meet March 3 in the Free Harvey Restaurant, Union Station. The meeting will be addressed by Paul H. Goodell, of the radiant heat division of the C. M. Hall Lamp Company, Detroit, who will discuss the "Why and Wherefore of Infra-Red Baking."

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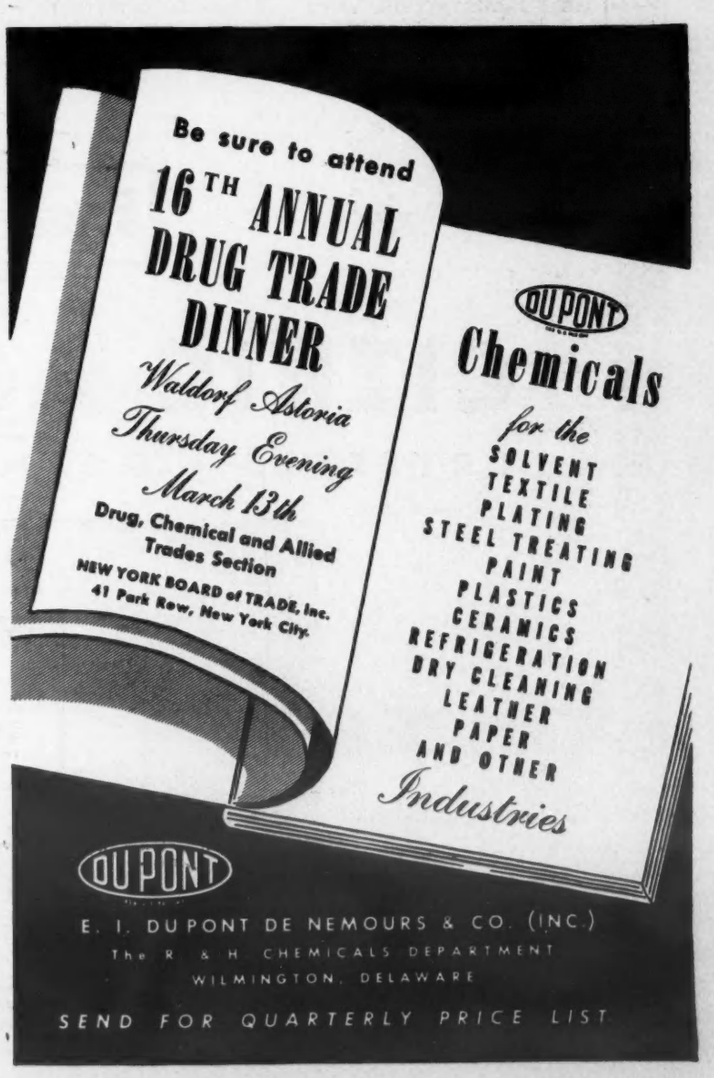

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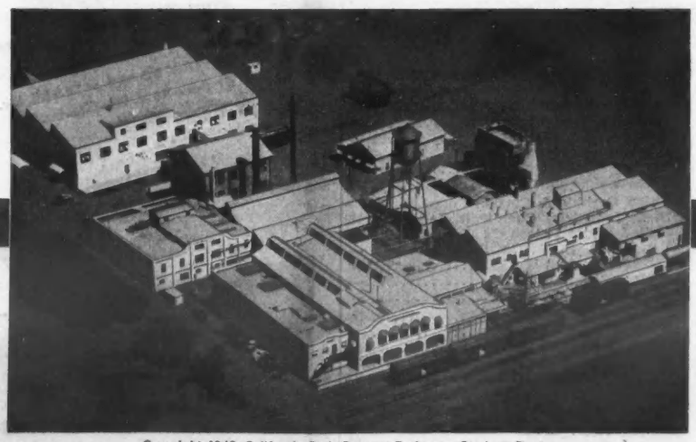
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